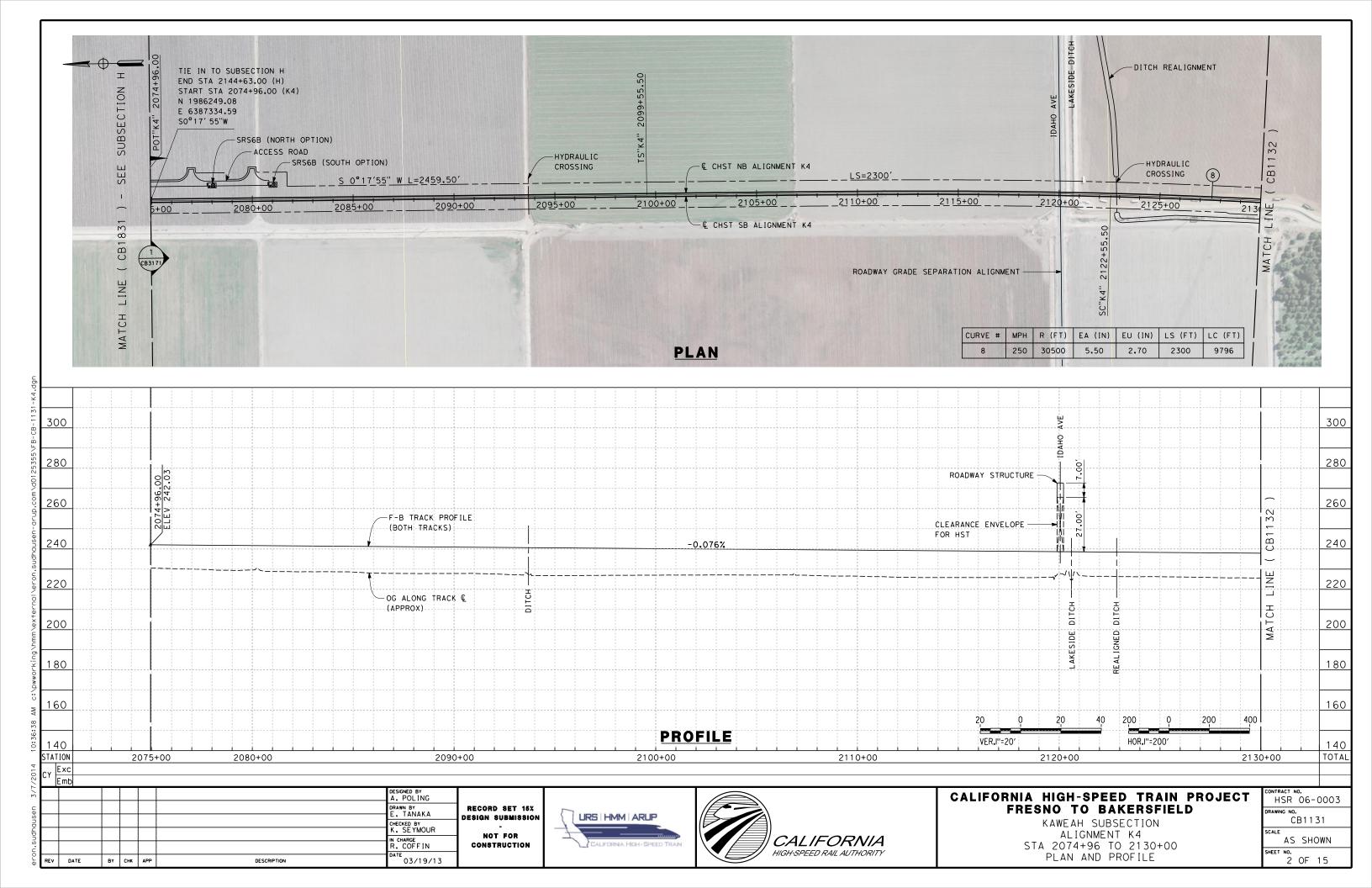
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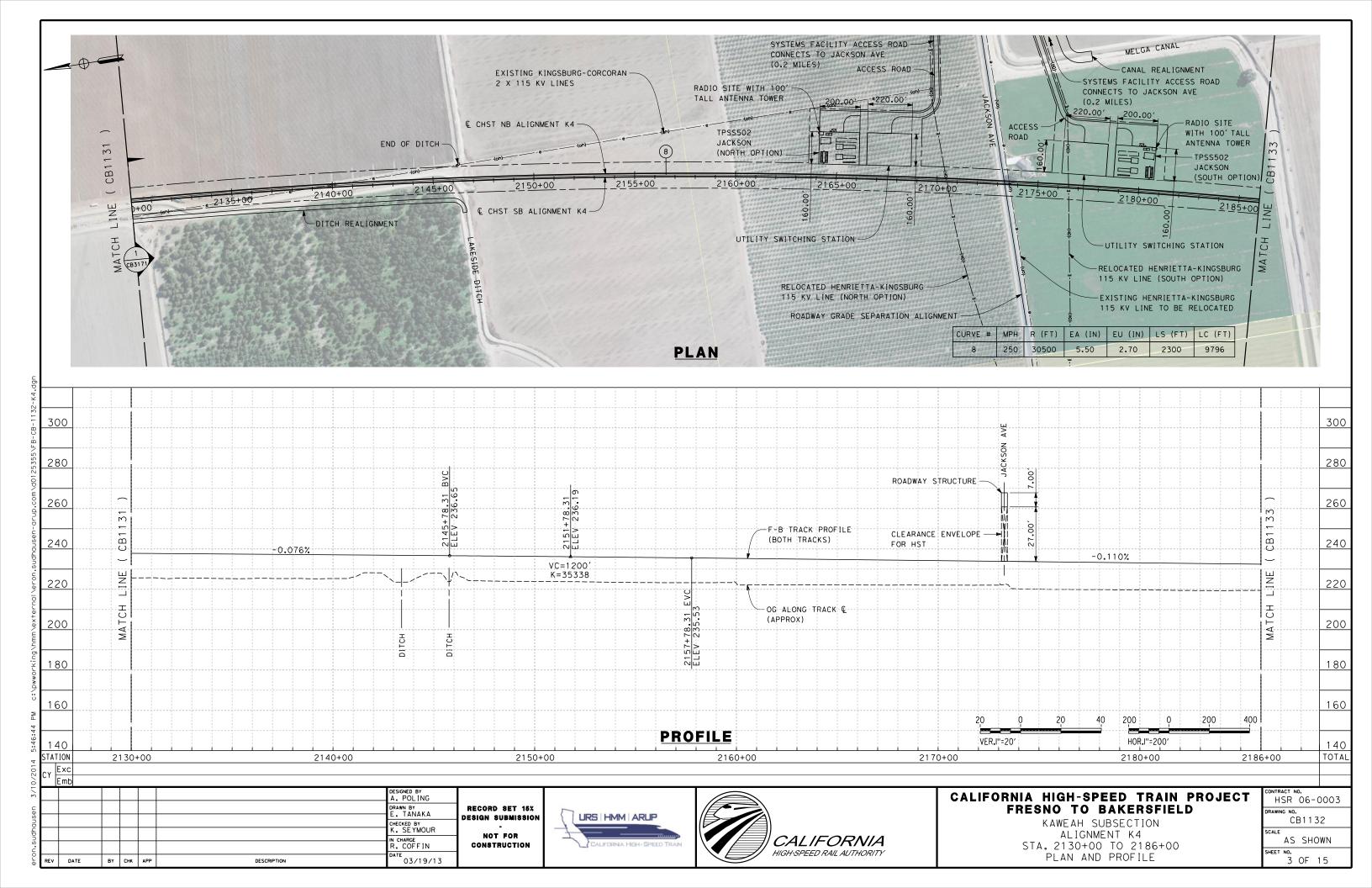
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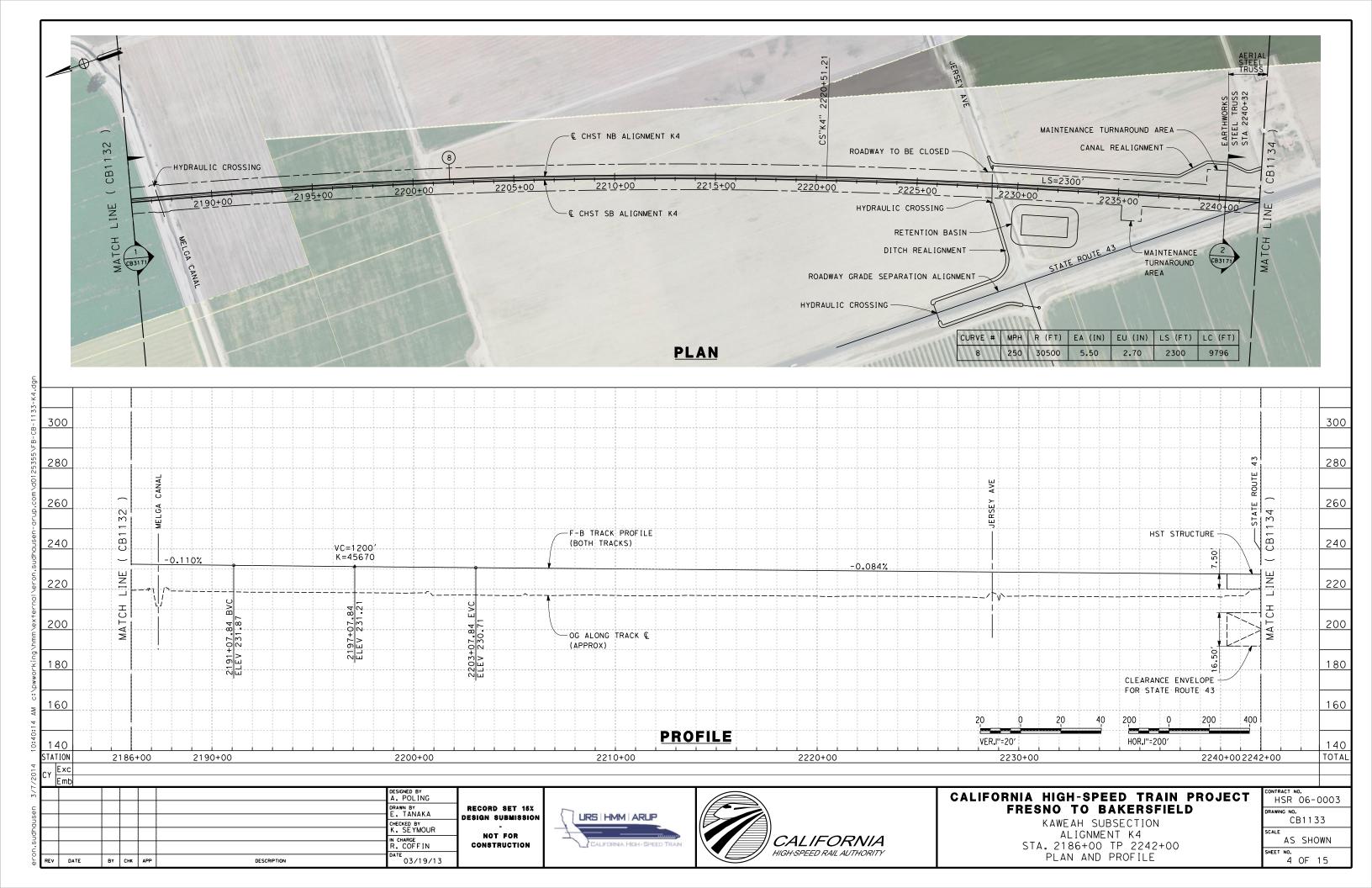
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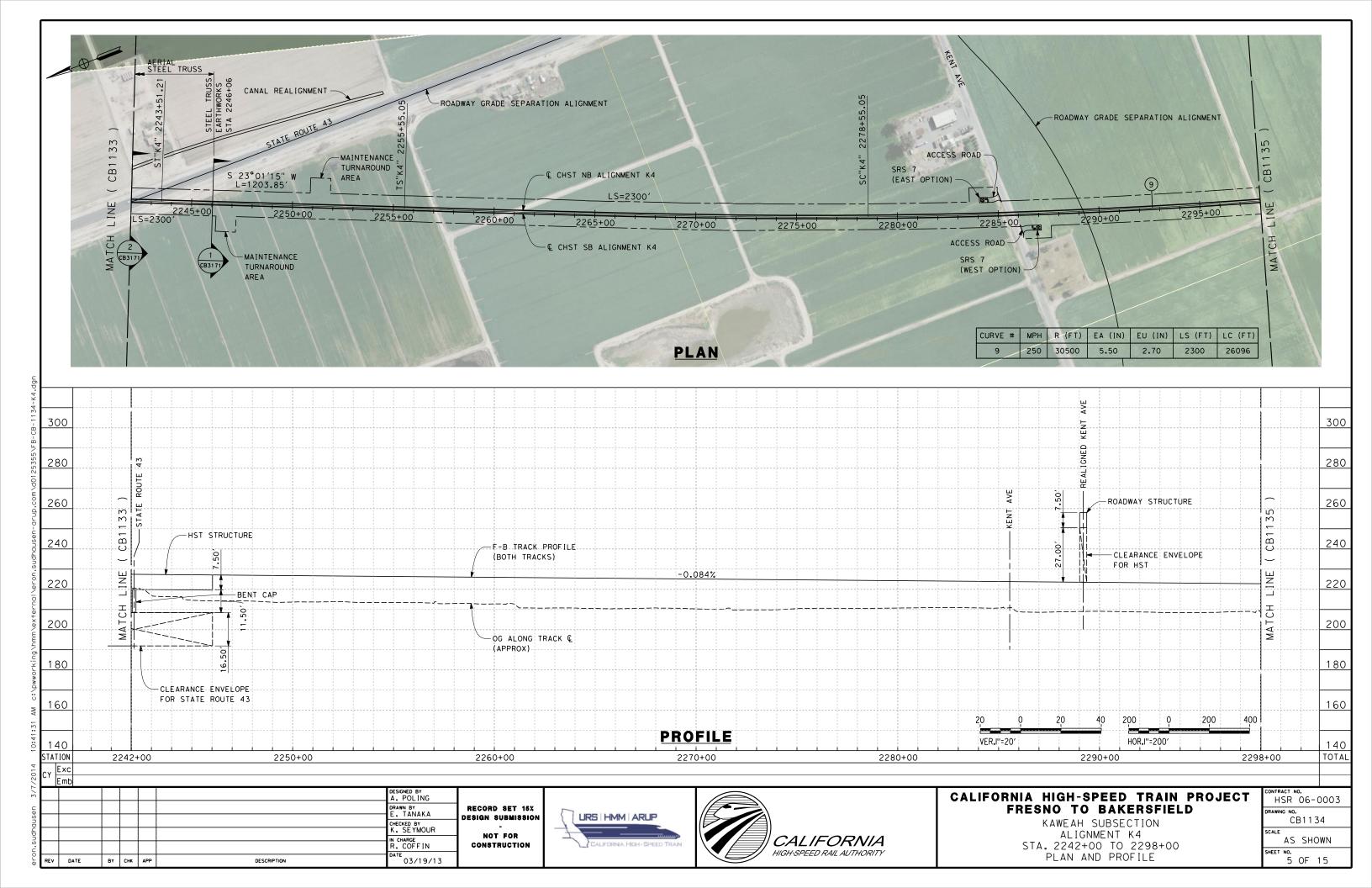
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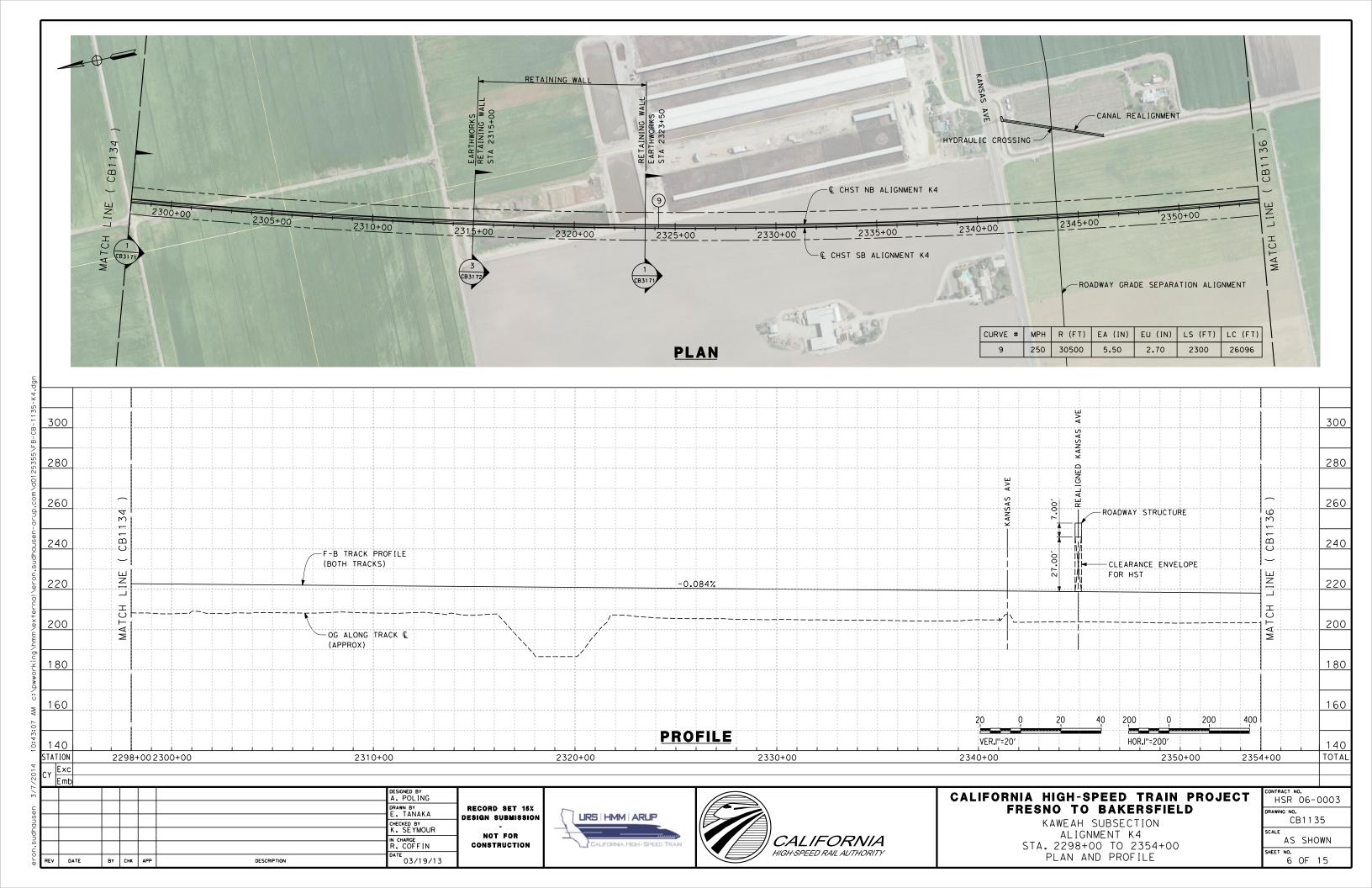
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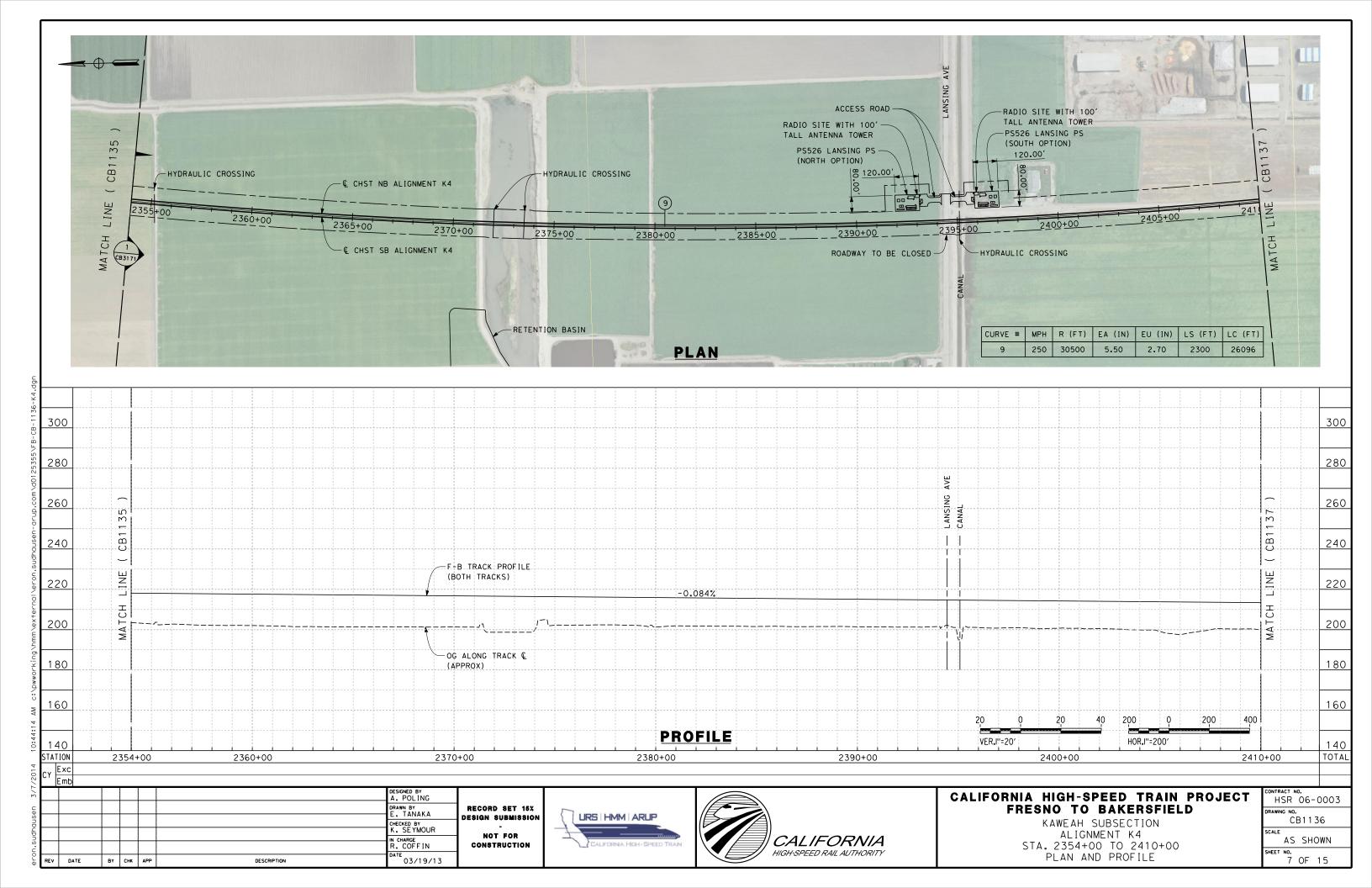


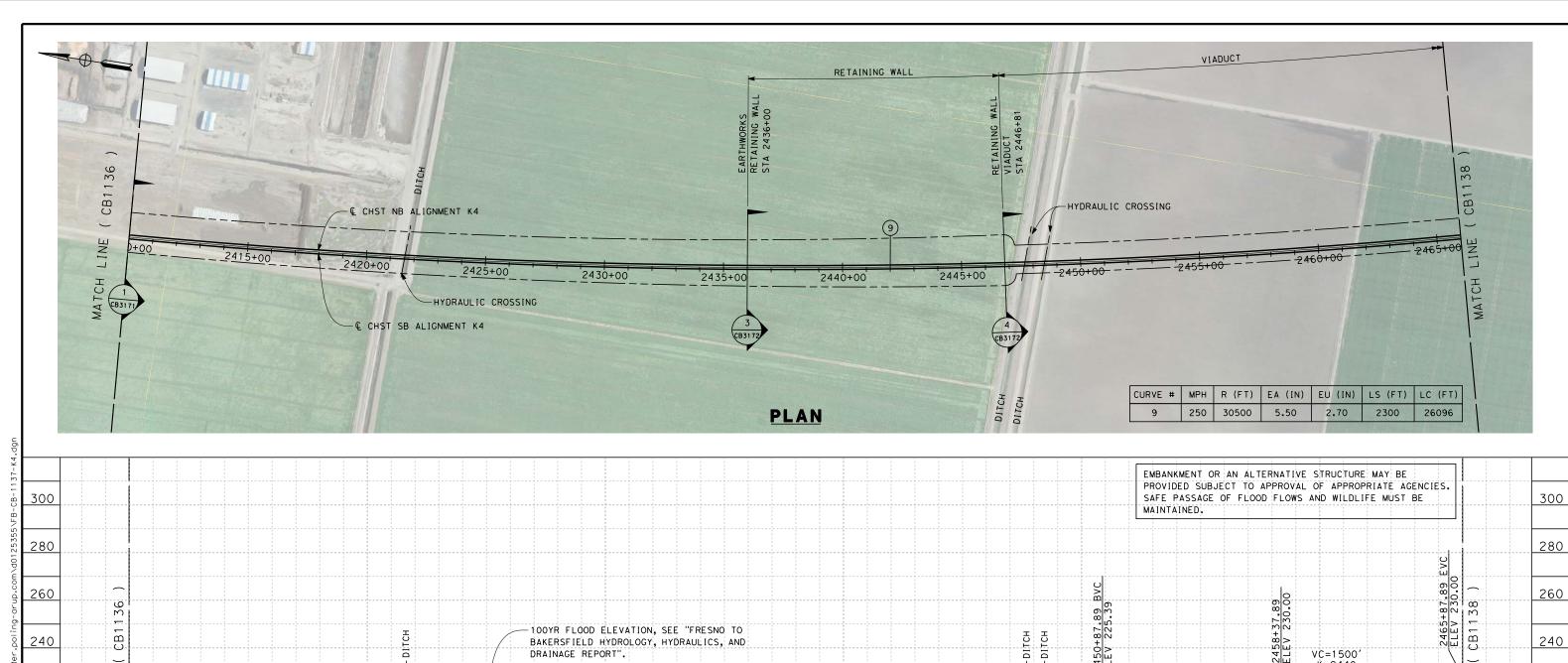


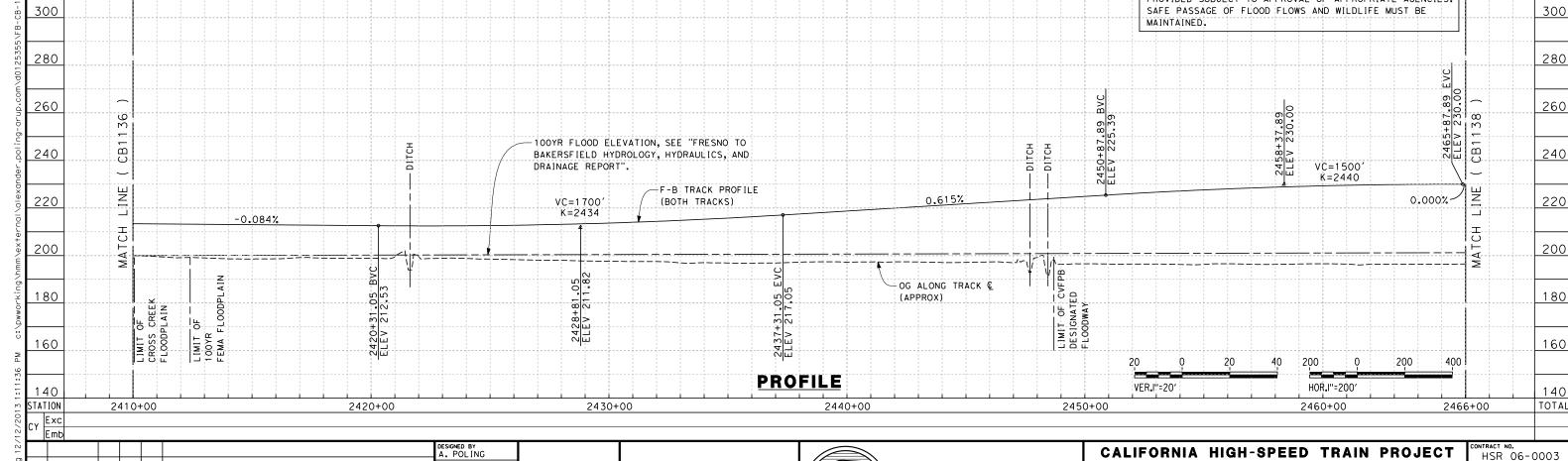












CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

URS HMM ARUP

FRESNO TO BAKERSFIELD

KAWEAH SUBSECTION ALIGNMENT K4

STA. 2410+00 TO 2466+00

PLAN AND PROFILE

CB1137

AS SHOWN

8 OF 15

DRAWN BY E. TANAKA

CHECKED BY
K. SEYMOUR

N CHARGE R. COFFIN

DATE

BY CHK APP

DESCRIPTION

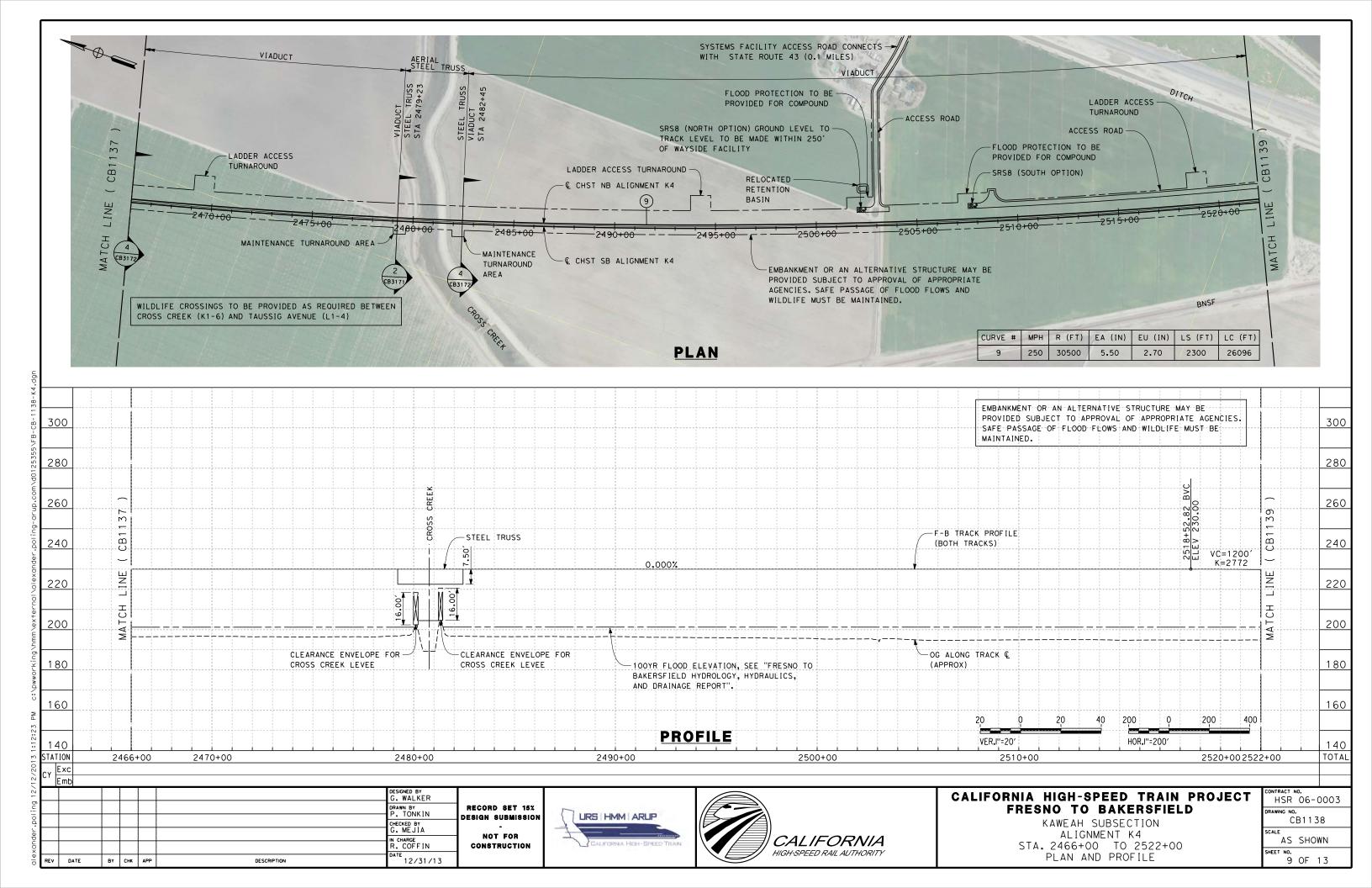
12/31/13

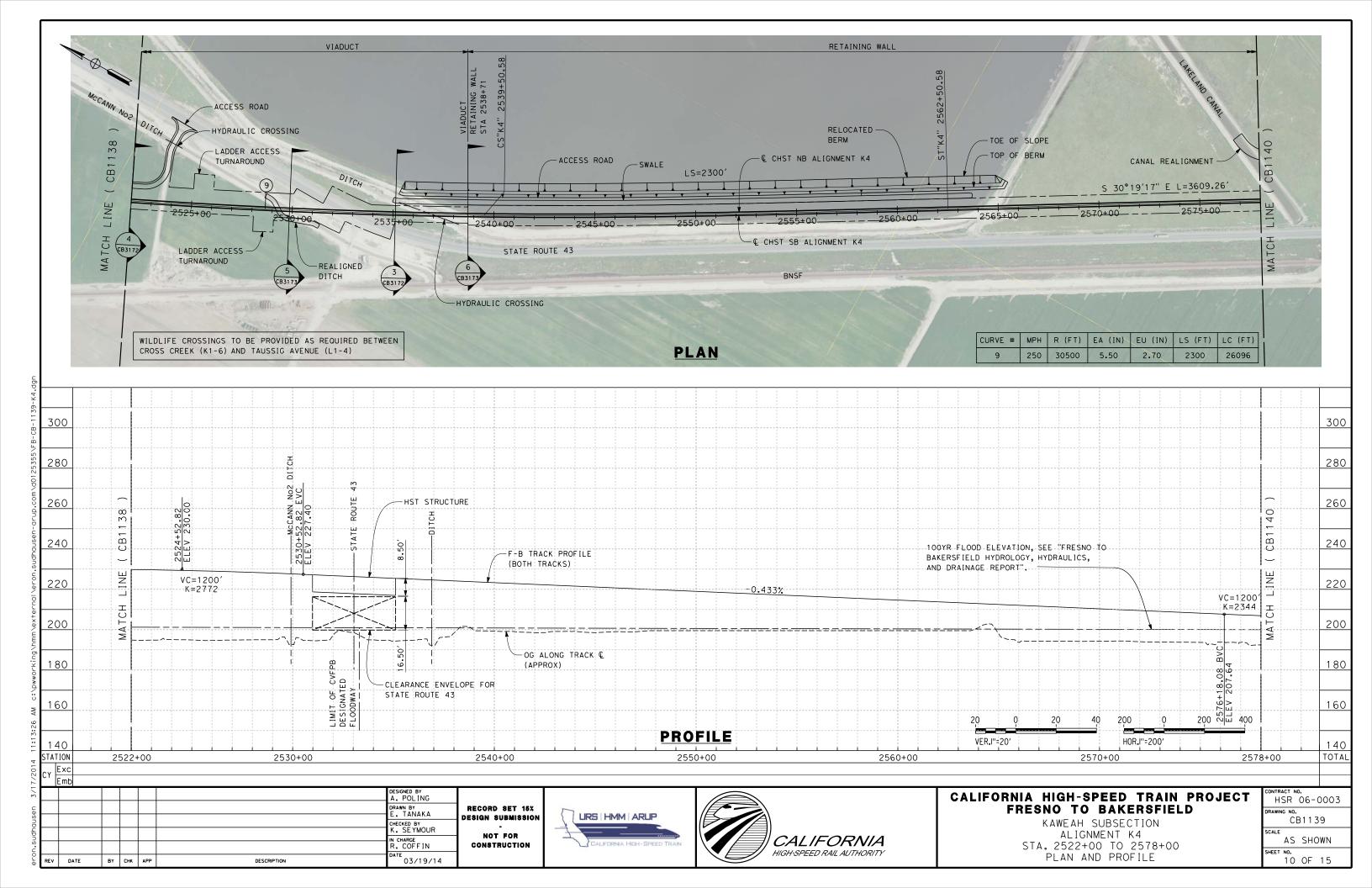
RECORD SET 15%

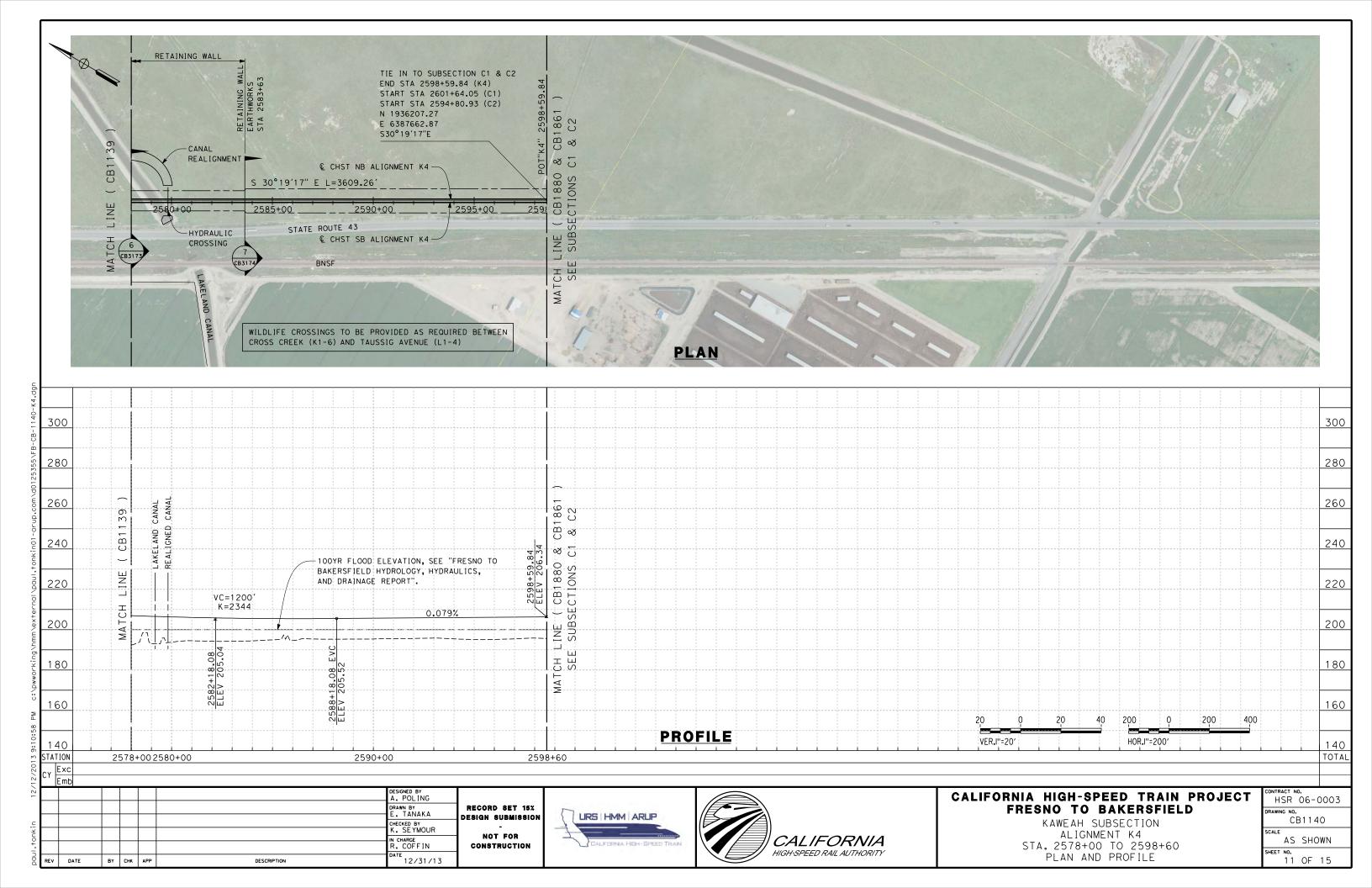
DESIGN SUBMISSION

NOT FOR

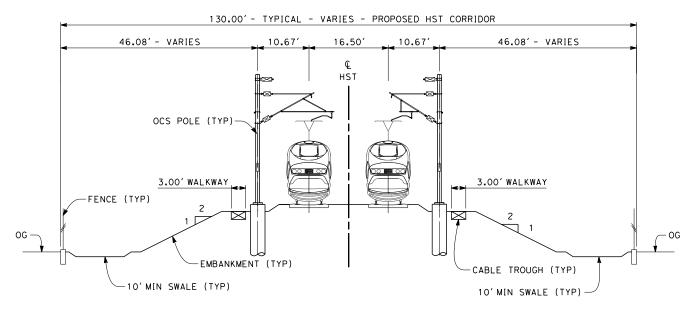
CONSTRUCTION



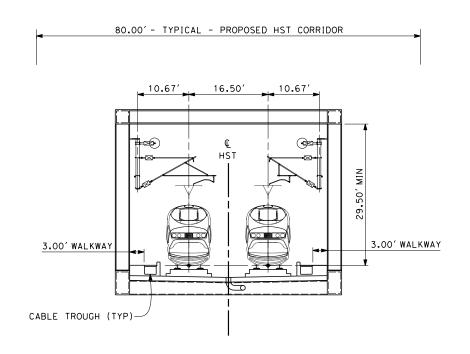




- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN.
 THE AMOUNT OF APPLIED
 SUPERELEVATION IS SHOWN
 IN CURVE DATA TABLES



TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE
STA 2074+96 THROUGH STA 2240+32
STA 2246+03 THROUGH STA 2315+00
STA 2323+50 THROUGH STA 2436+00



SECTION 2

TWIN TRACK - AERIAL STEEL TRUSS STA 2240+32 THROUGH STA 2246+03 STA 2479+23 THROUGH STA 2482+45



						DESIGNED BY A. POLING	
						DRAWN BY E. TANAKA	RE
						CHECKED BY	DESI
						K SEYMOUR IN CHARGE	l
						R. COFFIN	c
REV	DATE	BY	СНК	APP	DESCRIPTION	03/19/13	

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

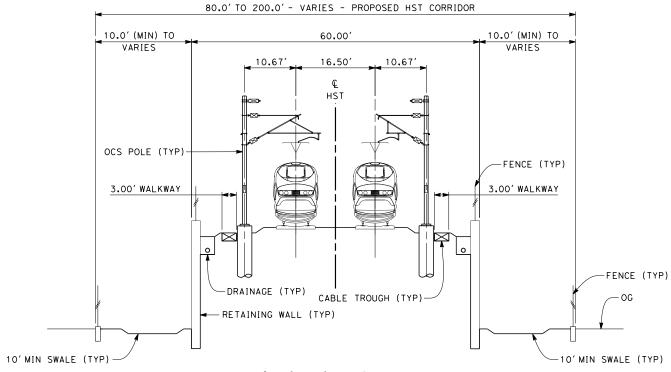




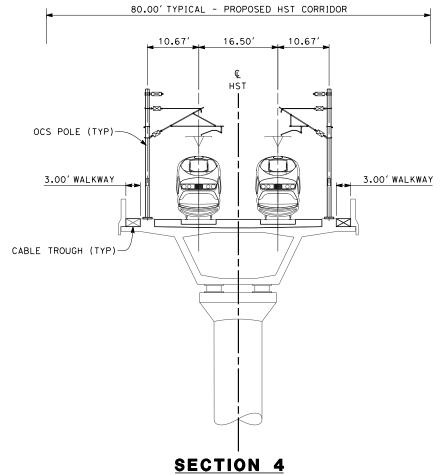
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

KAWEAH SUBSECTION ALIGNMENT K4 TYPICAL SECTIONS

•	CONTRACT NO. HSR 06-0003
	CB3171
	SCALE AS SHOWN
	SHEET NO. 12 OF 15



TWIN TRACK - RETAINED EMBANKMENT WITH OPEN DRAINAGE STA 2315+00 THROUGH STA 2323+50 (SEE NOTE 4) STA 2436+00 THROUGH STA 2446+81



TWIN TRACK - AERIAL VIADUCT STA 2446+81 THROUGH STA 2479+23 STA 2482+45 THROUGH STA 2529+86 STA 2535+11 THROUGH STA 2538+71

NOTES:

2318+50.

2323+50.

1. TRACKFORM SHOWN IS INDICATIVE 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE DATA TABLES

4. LEFT SIDE IS RETAINED EMBANKMENT WITH OPEN DRAINAGE FROM STA 2315+00 THROUGH 2319+00 AND RIGHT SIDE IS EMBANKMENT WITH OPEN DRAINAGE FROM STA 2315+00 THROUGH

RIGHT SIDE IS RETAINED EMBANKMENT WITH OPEN DRAINAGE FROM STA 2318+50 THROUGH 2323+50 AND LEFT

SIDE IS EMBANKMENT WITH OPEN

DRAINAGE FROM 2319+50 THROUGH

DESIGNED BY A. POLING DRAWN BY E. TANAKA RECORD SET 15% DESIGN SUBMISSION CHECKED BY
K. SEYMOUR N CHARGE R. COFFIN CONSTRUCTION 03/19/13 BY CHK APP DESCRIPTION

URS HMM ARUP

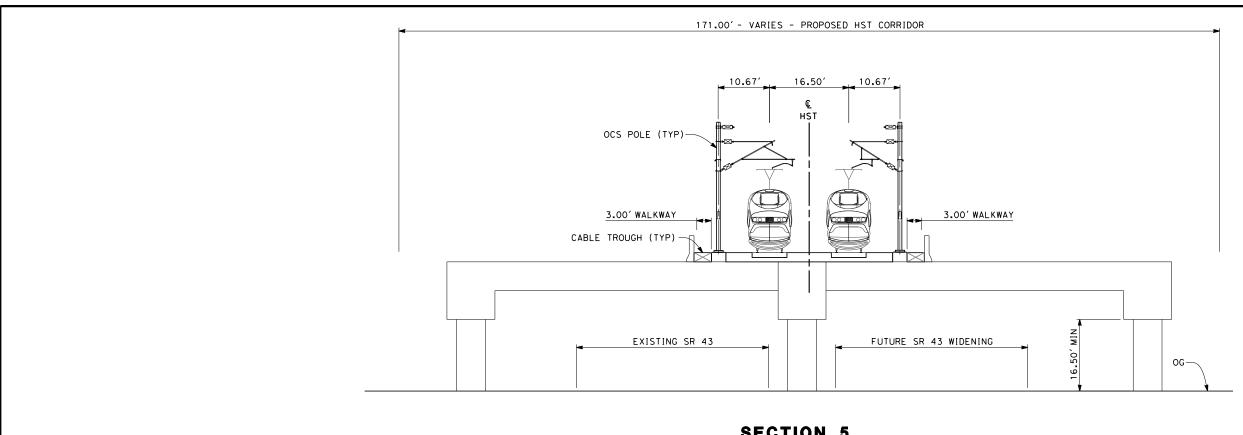
NOT FOR



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

KAWEAH SUBSECTION ALIGNMENT K4 TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3172
SCALE
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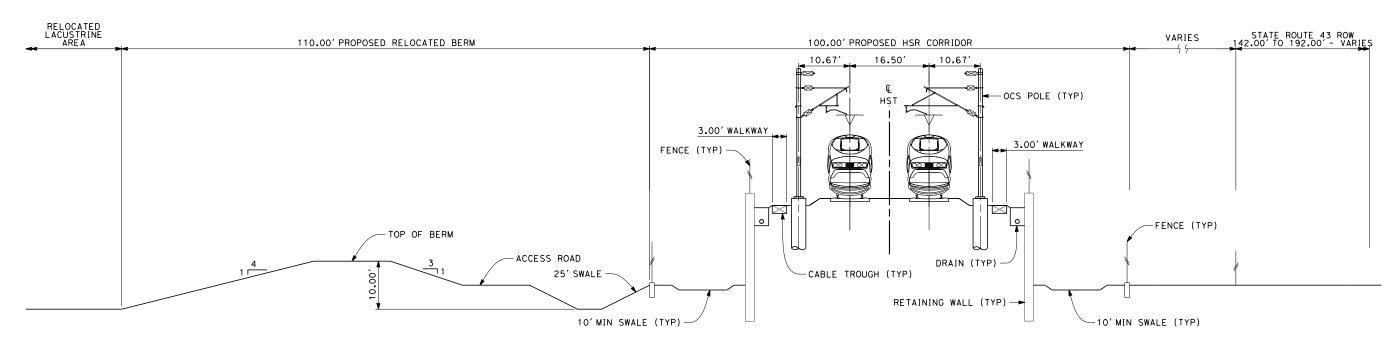


NOTES:

- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE DATA TABLES
- 4. PER CALTRANS STANDRAD, A HIGHWAY BARRIER IS REQUIRED NEXT TO A COLUMN BY THE REQUIREMENTS SET FORTH IN THE HIGHWAY DESIGN MANUAL. PIER PROTECTION REQUIRED FROM STA 2529+86 THROUGH STA 2535+11.

SECTION 5

TWIN TRACK AERIAL STRUCTURE OVER SR 43 STA 2529+86 THROUGH STA 2535+11



RELOCATED BERM PROPOSED FROM STA 2534+10 THROUGH 2565+80

SECTION 6

TWIN TRACK ON RETAINED EMBANKMENT ADJACENT TO SR 43 STA 2538+71 THROUGH STA 2583+63



REV	DATE	BY	СНК	APP	DESCRIPTION	12/31/13	
						IN CHARGE R. COFFIN DATE	CONSTRUCTION
						K. SEYMOUR	NOT FOR
						CHECKED BY	DESIGN SUBMISSION
						DRAWN BY E. TANAKA	RECORD SET 15% Design Submission
						DESIGNED BY A. POLING	





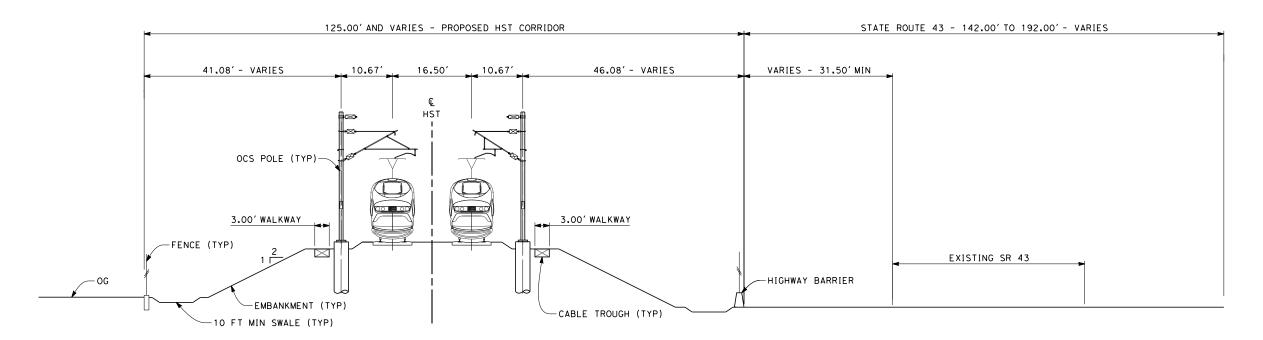
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

KAWEAH SUBSECTION ALIGNMENT K4 TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3173
SCALE AS SHOWN

SHEET NO. 14 OF 15

- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE DATA TABLES



TWIN TRACK - ADJACENT TO SR 43 APPROX STA 2583+63 THROUGH STA 2598+60



Ì							DESIGNED BY A. POLING	
							DRAWN BY E. TANAKA	RECORD SET 15%
ij							CHECKED BY	DESIGN SUBMISSION
;							K. SEYMOUR IN CHARGE	NOT FOR
į							R. COFFIN	CONSTRUCTION
3	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	

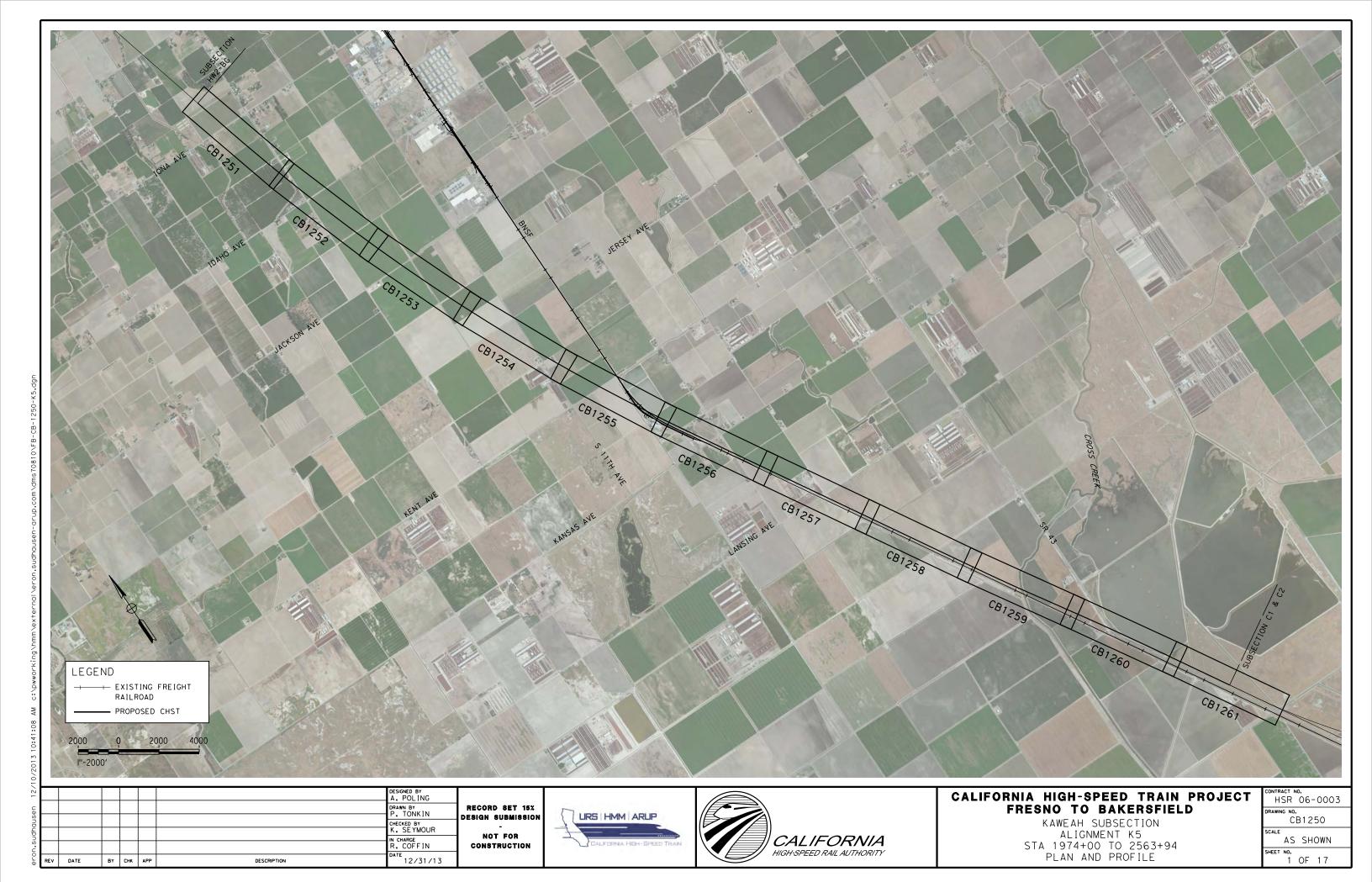


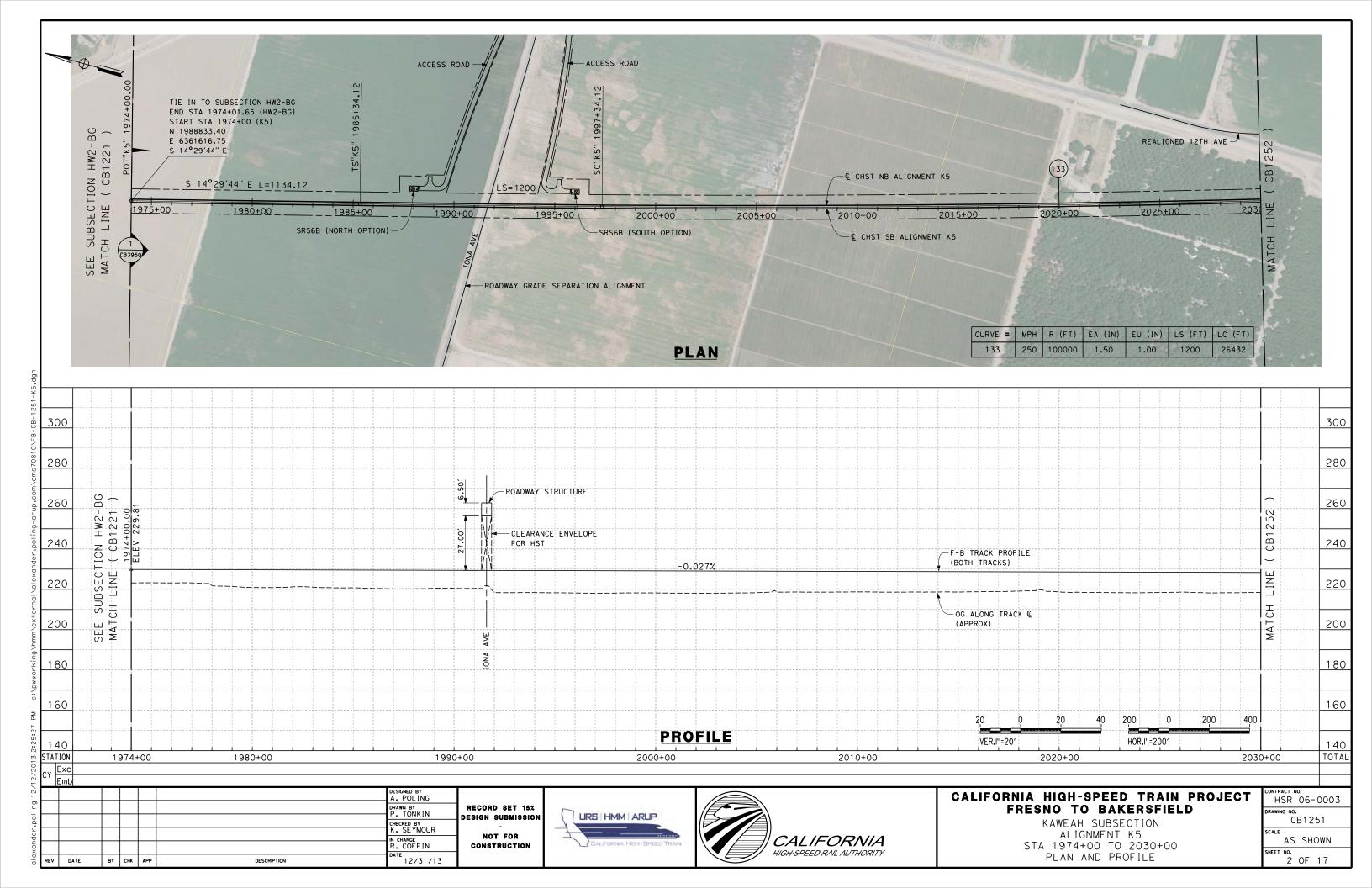


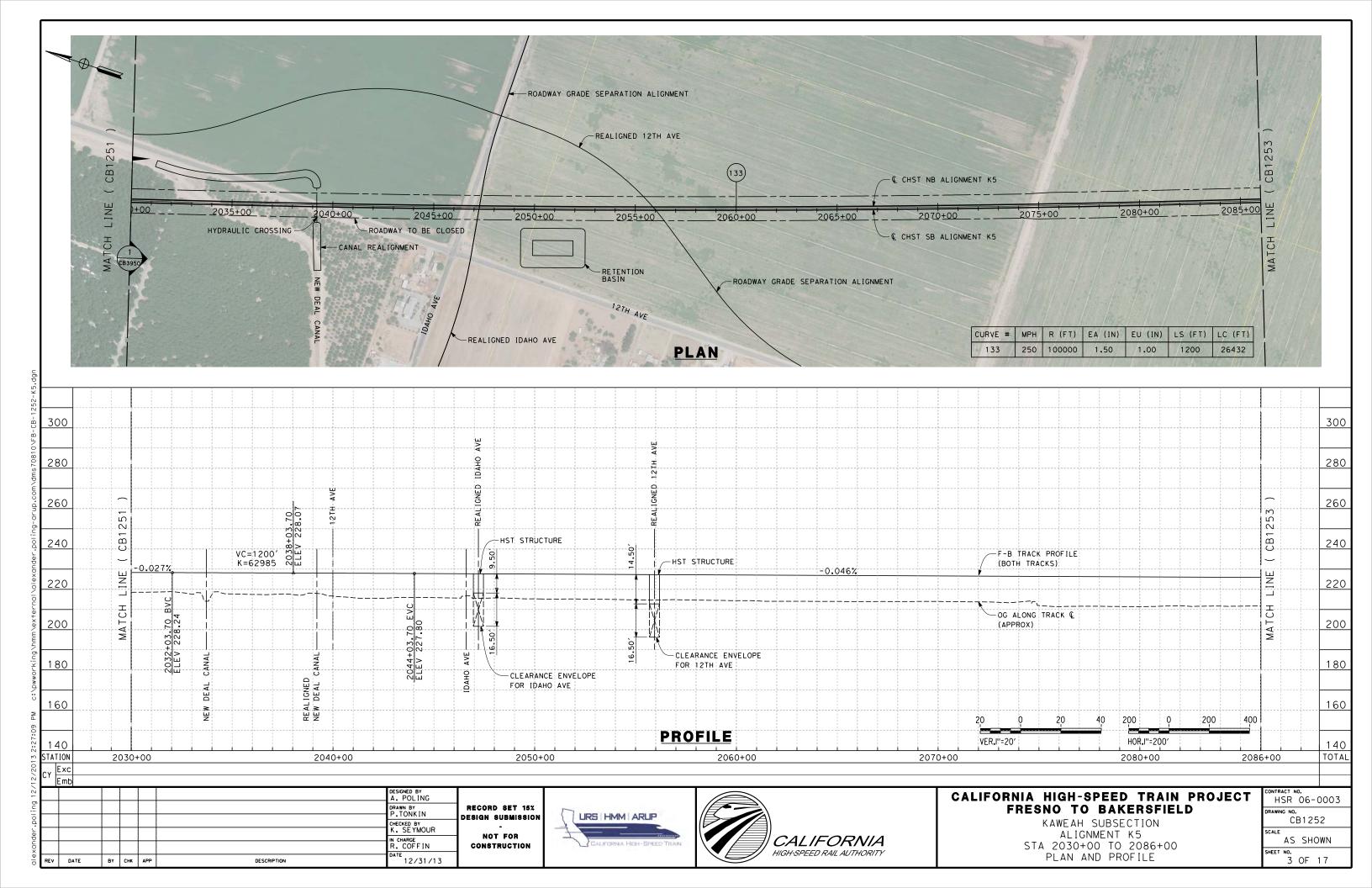
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

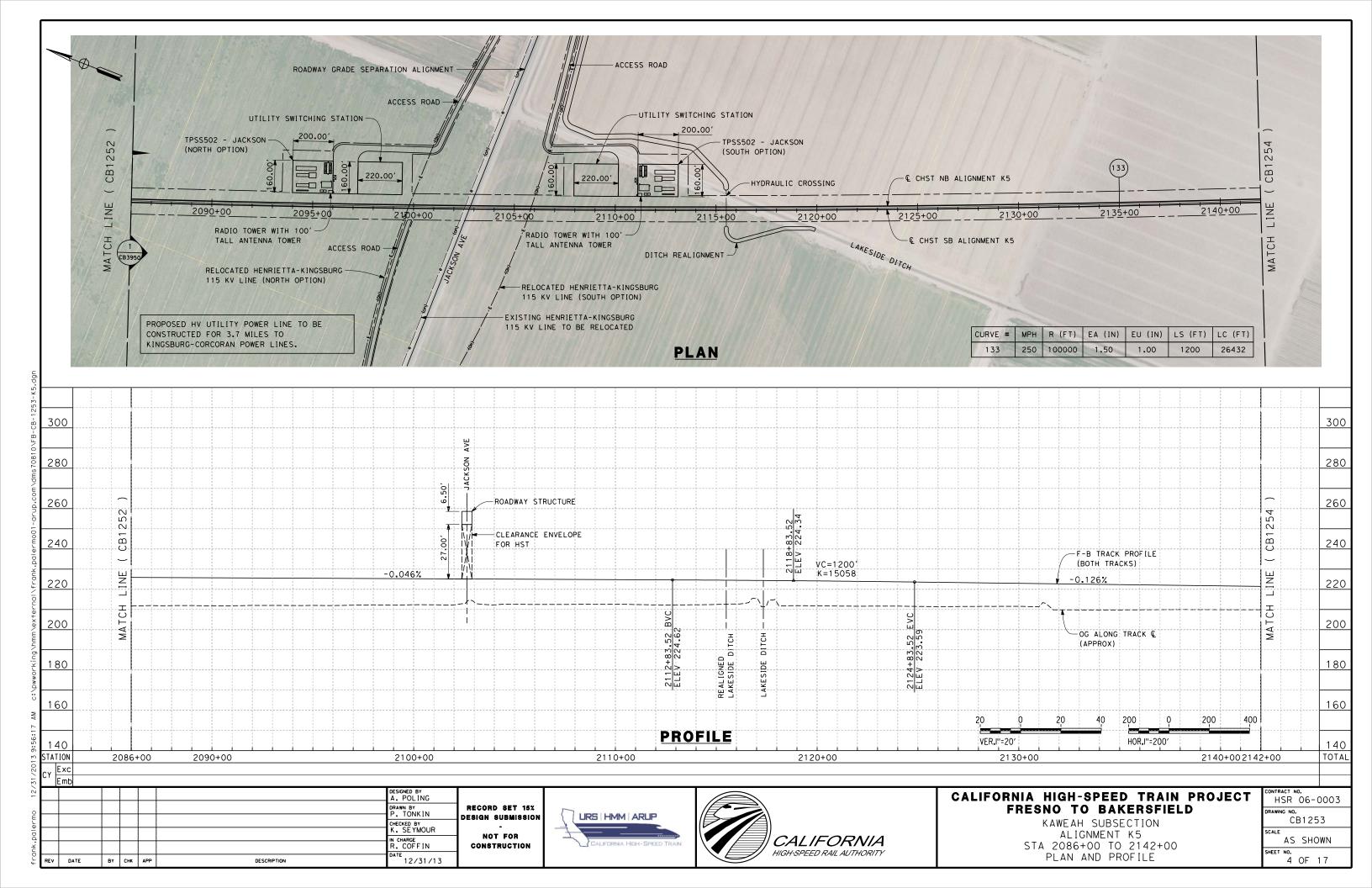
KAWEAH SUBSECTION ALIGNMENT K4 TYPICAL SECTIONS

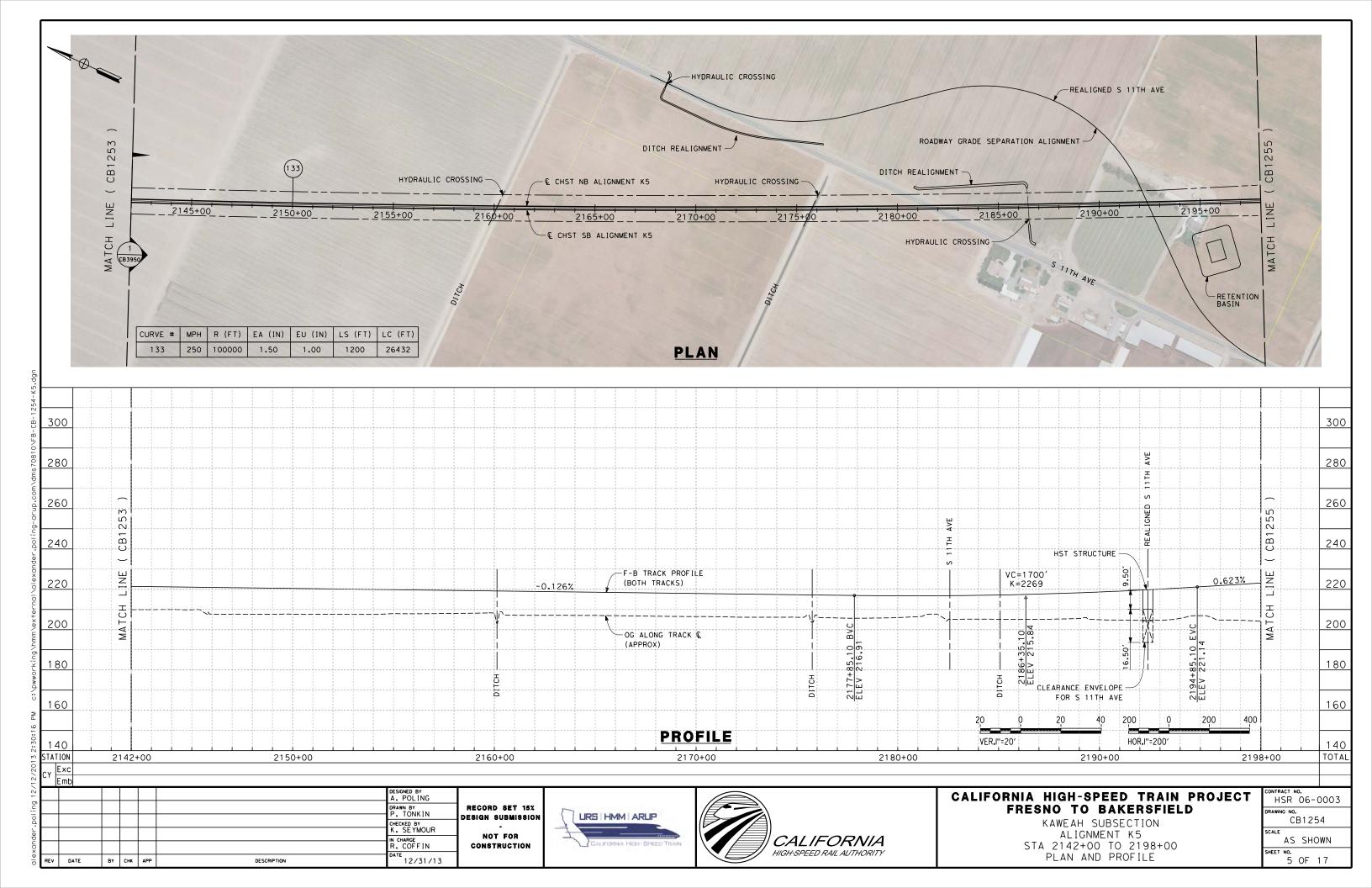
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3174
SCALE
AS SHOWN
CUEET NO

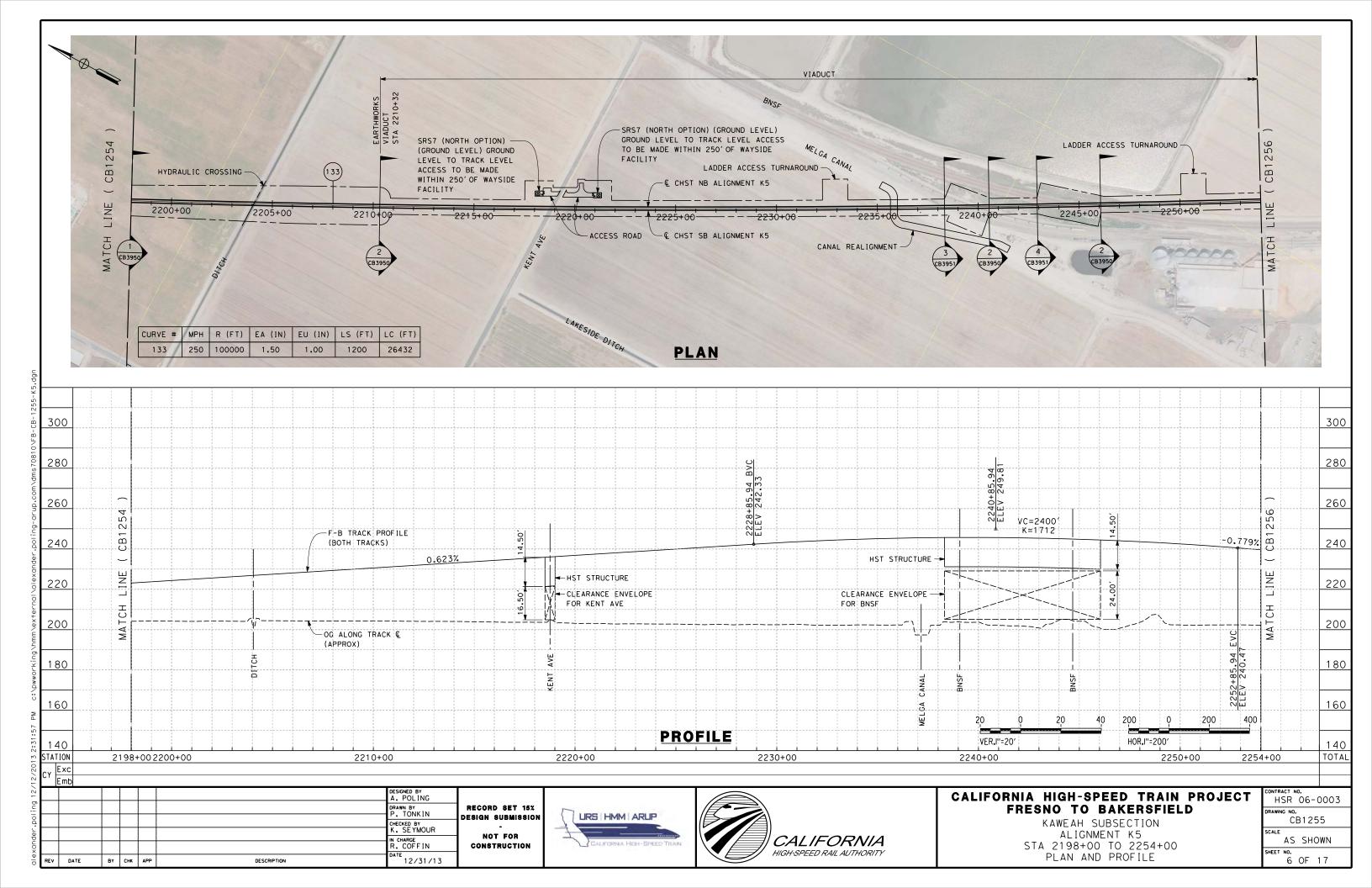


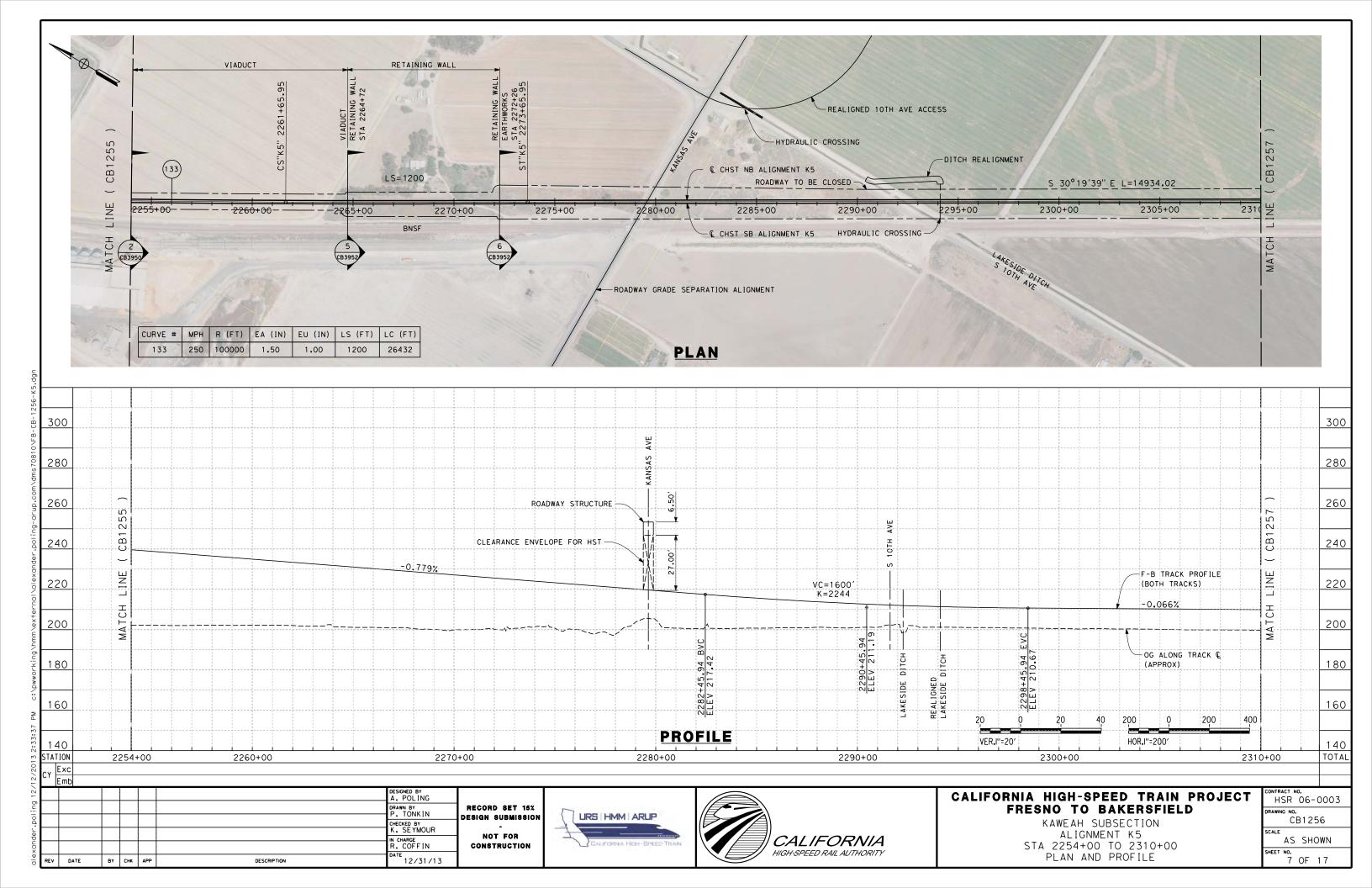


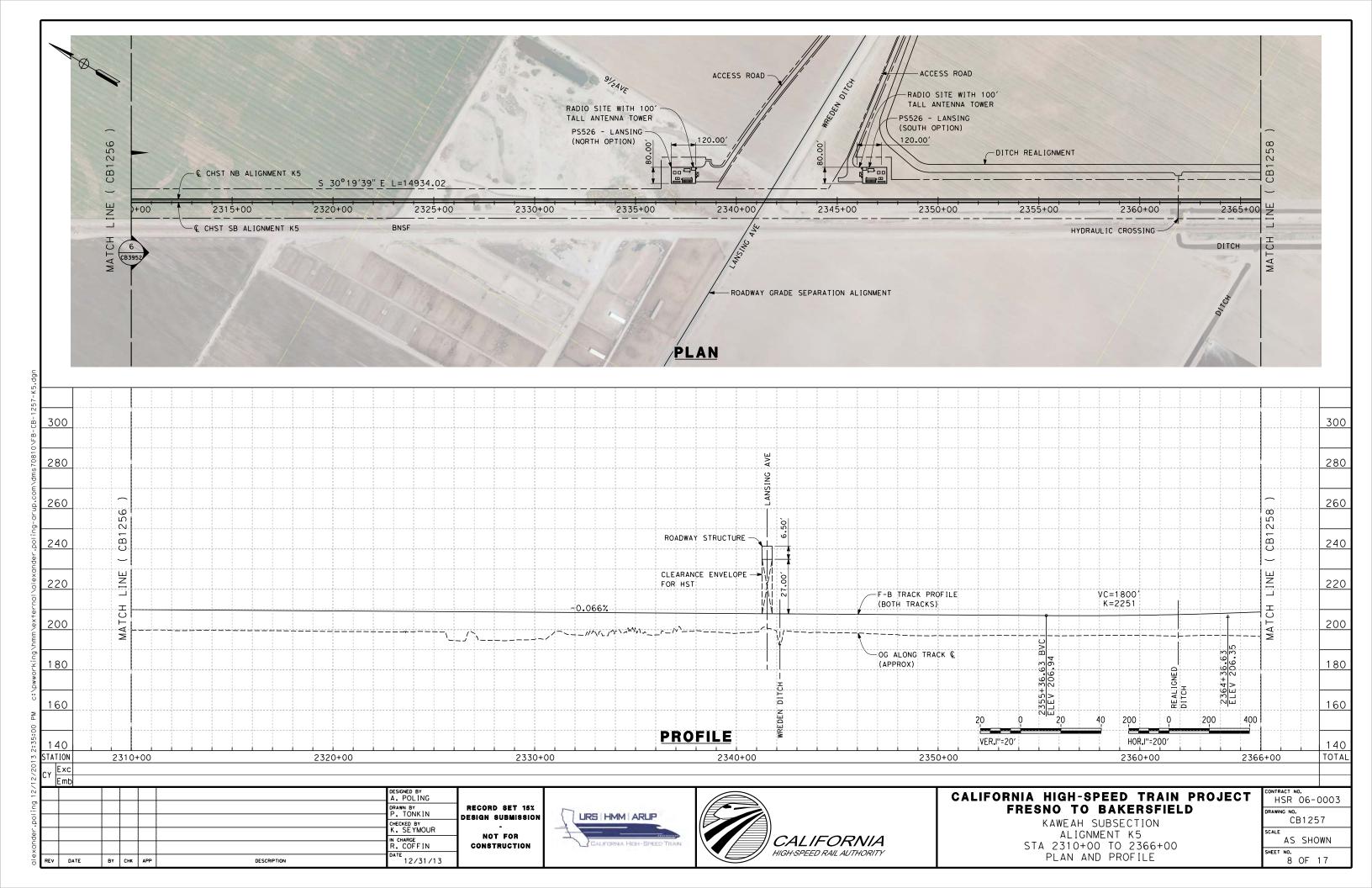


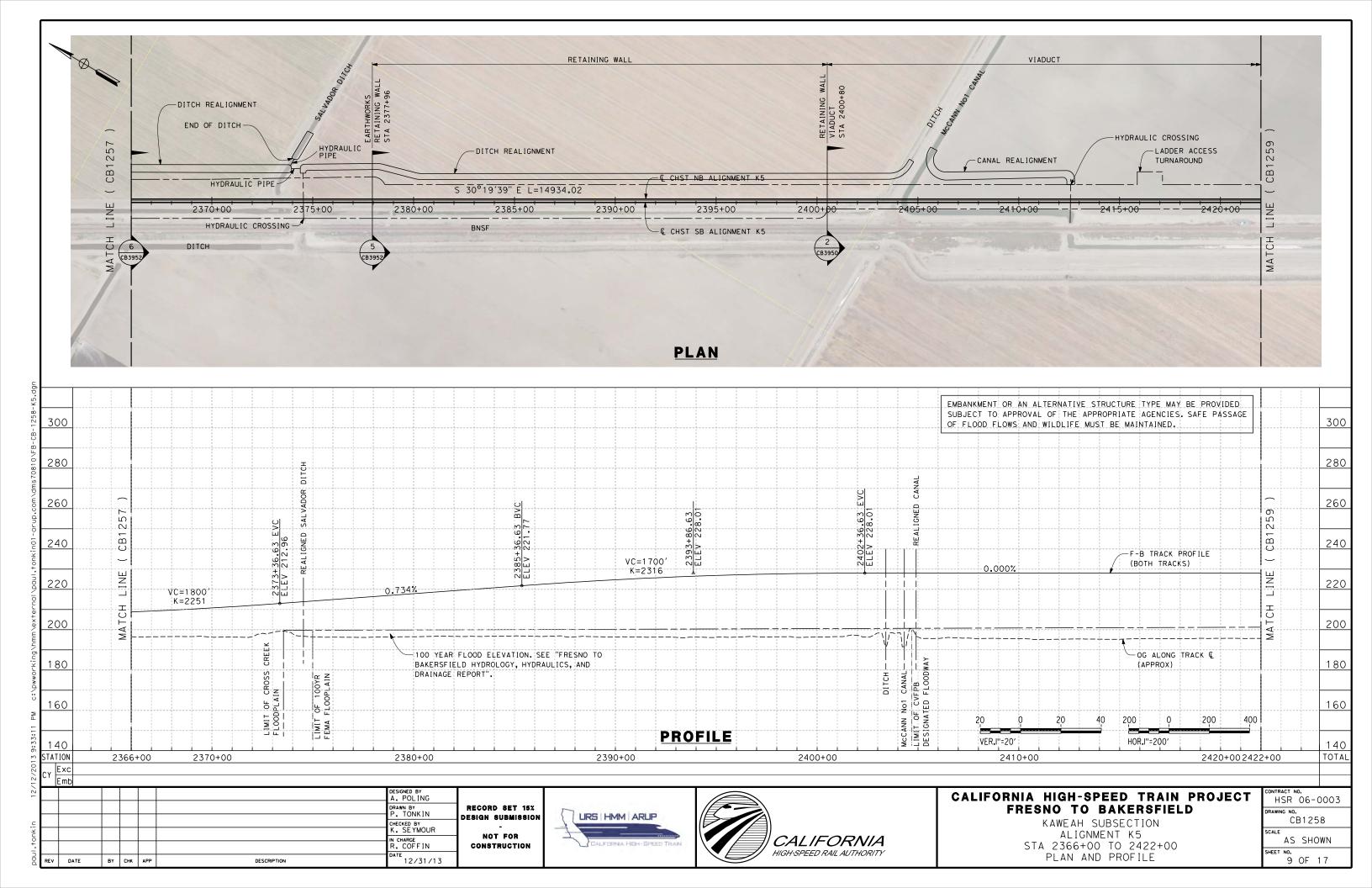


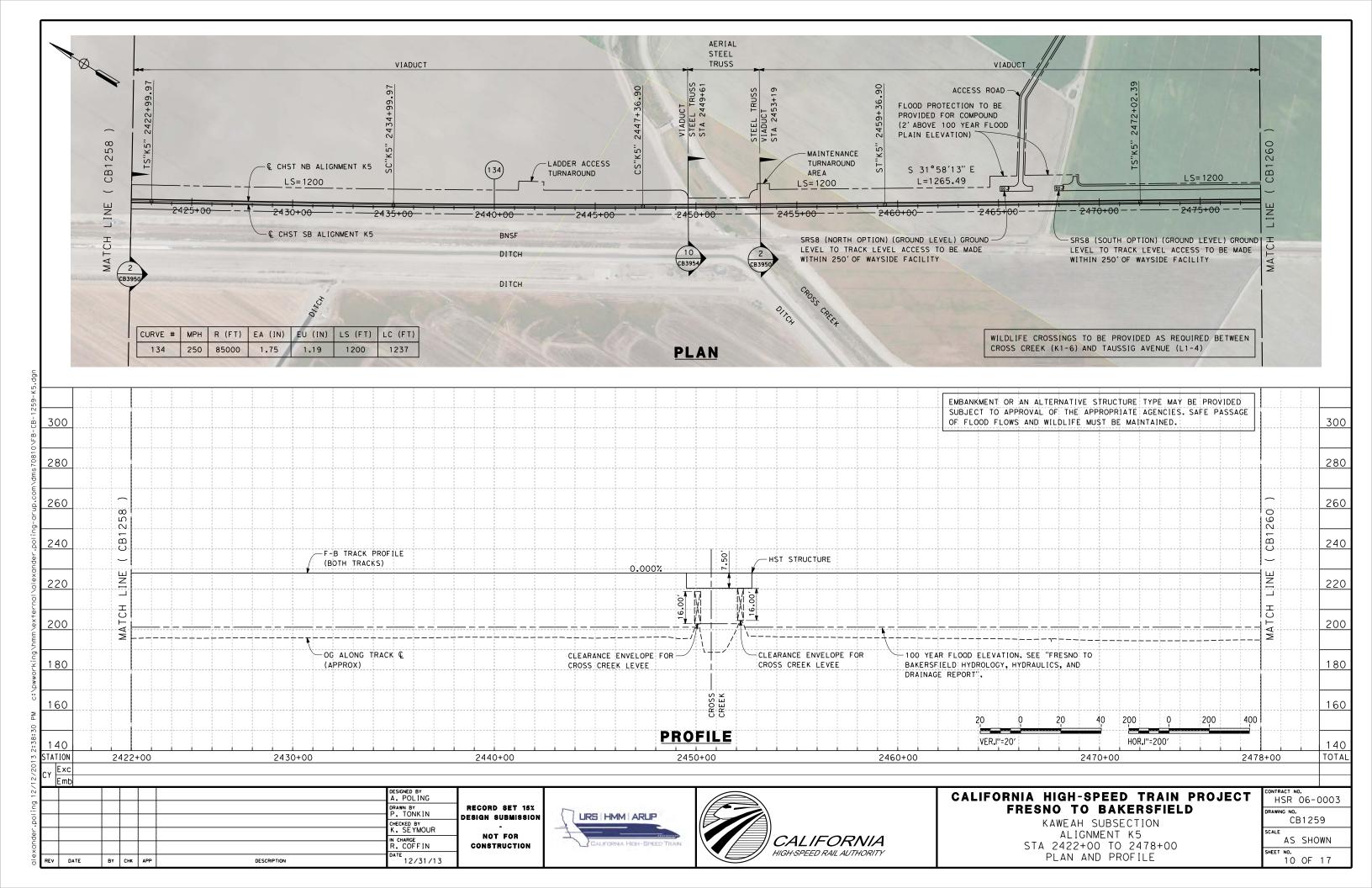


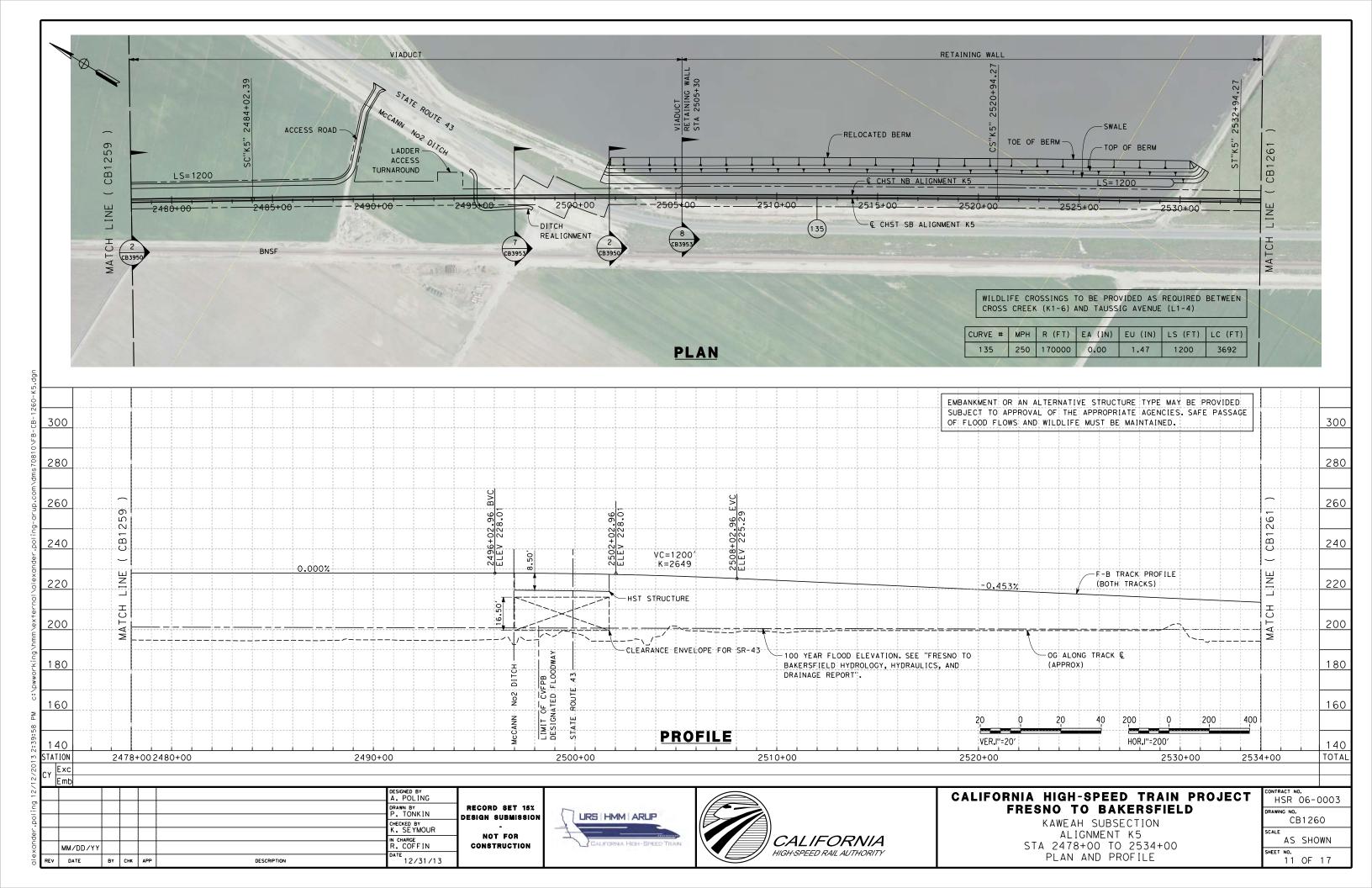


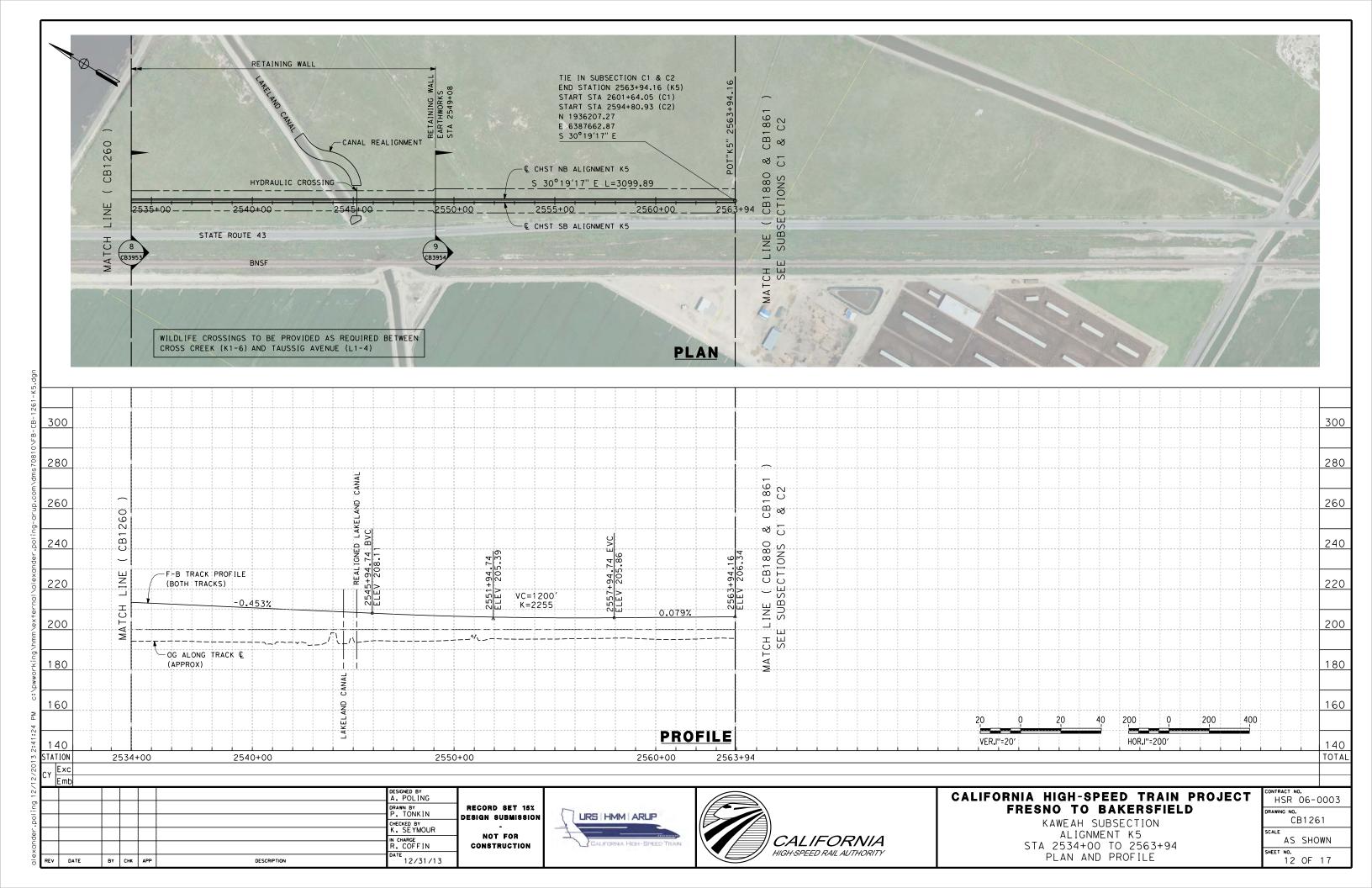




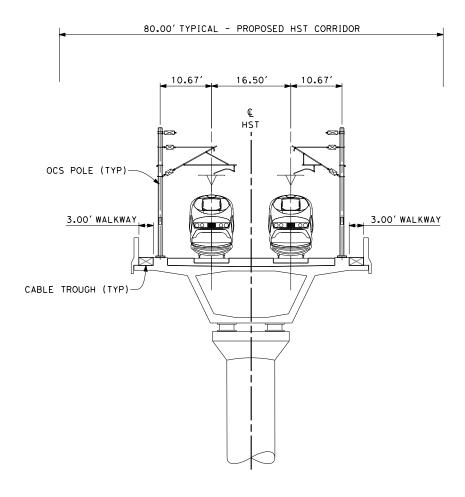




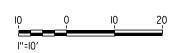


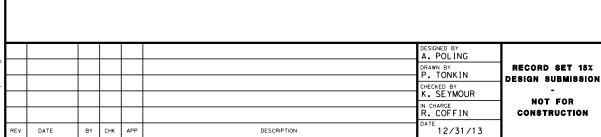


- 1. TRACKFORM SHOWN IS INDICATIVE.
- 2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
- 3. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.



TWIN TRACK AERIAL VIADUCT STA 2210+32 THROUGH STA 2238+82 STA 2240+02 THROUGH STA 2243+32 STA 2245+72 THROUGH STA 2264+72 STA 2400+80 THROUGH STA 2449+62 STA 2453+19 THROUGH STA 2497+00 STA 2501+70 THROUGH STA 2505+30





41.08' - VARIES

FENCE (TYP)

OCS POLE (TYP)

3.00' WALKWAY

-10'MIN SWALE (TYP)

-EMBANKMENT (TYP)

120.00' - TYPICAL - PROPOSED HST CORRIDOR

16.50

HST

SECTION 1 TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE

STA 1974+00 THROUGH STA 2210+32

10.67

41.08' - VARIES

3.00' WALKWAY

-CABLE TROUGH (TYP)



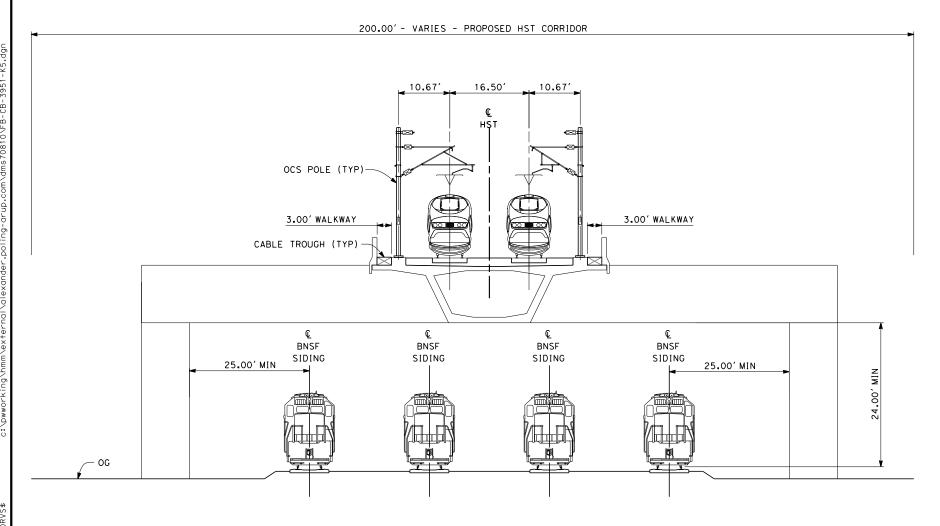


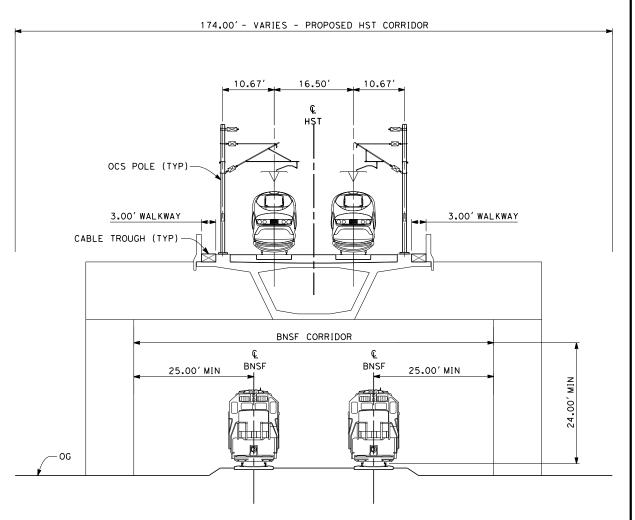
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

KAWEAH SUBSECTION ALIGNMENT K5 TYPICAL SECTIONS

CONTRACT	NO.
HSR	06-0003
DRAWING N	0.
(CB3950
SCALE	
AS	S SHOWN

 FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.





SECTION 3

TWIN TRACK INTEGRATED STRADDLE BENT- 4 TRACK BNSF STA 2238+82 THROUGH STA 2240+02

SECTION 4

TWIN TRACK INTEGRATED STRADDLE BENT - 2 TRACK BNSF STA 2243+32 THROUGH STA 2245+72



\								
21/8							DESIGNED BY A. POLING	
Ξ							DRAWN BY P. TONKIN	RE DES
0							CHECKED BY K. SEYMOUR	DES
xander							IN CHARGE R. COFFIN	C
O E X	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 12/31/13	

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ESIGN SUBMISSION
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CONSTRUCTION



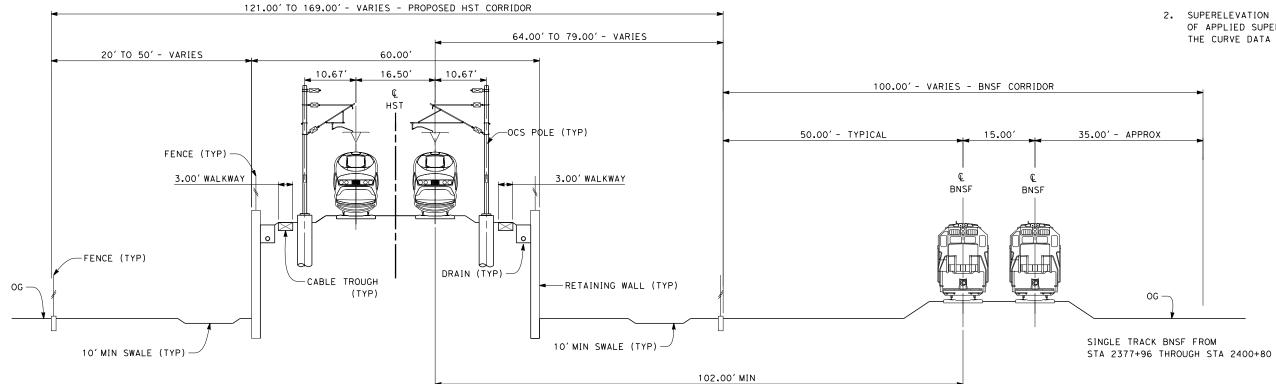


CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

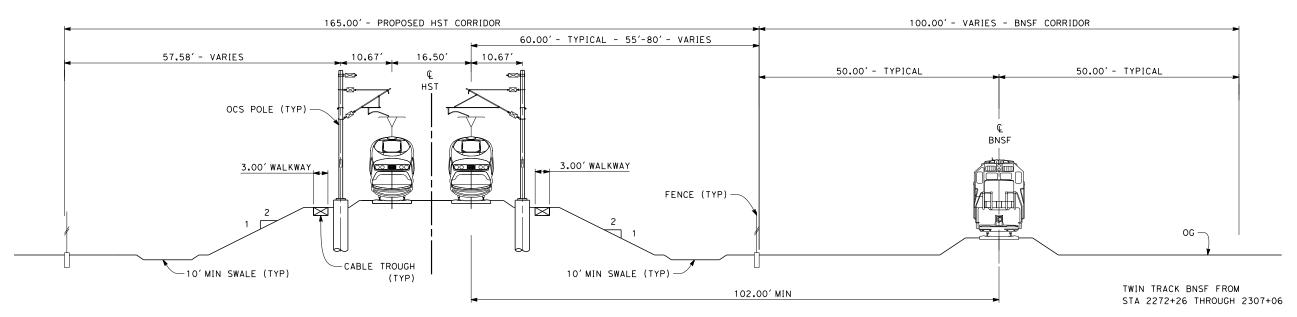
KAWEAH SUBSECTION ALIGNMENT K5 TYPICAL SECTIONS

CONTR		
Ή	SR	06-0003
DRAWIN	G NO.	
	С	B3951
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	AS	SHOWN
CHEET		

- 1. TRACKFORM SHOWN IS INDICATIVE.
- 2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



TWIN TRACK - RETAINED EMBANKMENT ADJACENT TO BNSF STA 2264+72 THROUGH STA 2272+26 STA 2377+96 THROUGH STA 2400+80



SECTION 6

TWIN TRACK ADJACENT TO BNSF STA 2272+26 THROUGH STA 2377+96



.tonkin 12/12/						DESIGNED BY A. POLING DRAWN BY P. TONKIN CHECKED BY K. SE YMOUR IN CHARGE R. COFFIN	RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION
paul.tor	REV	DATE	BY	СНК	APP		

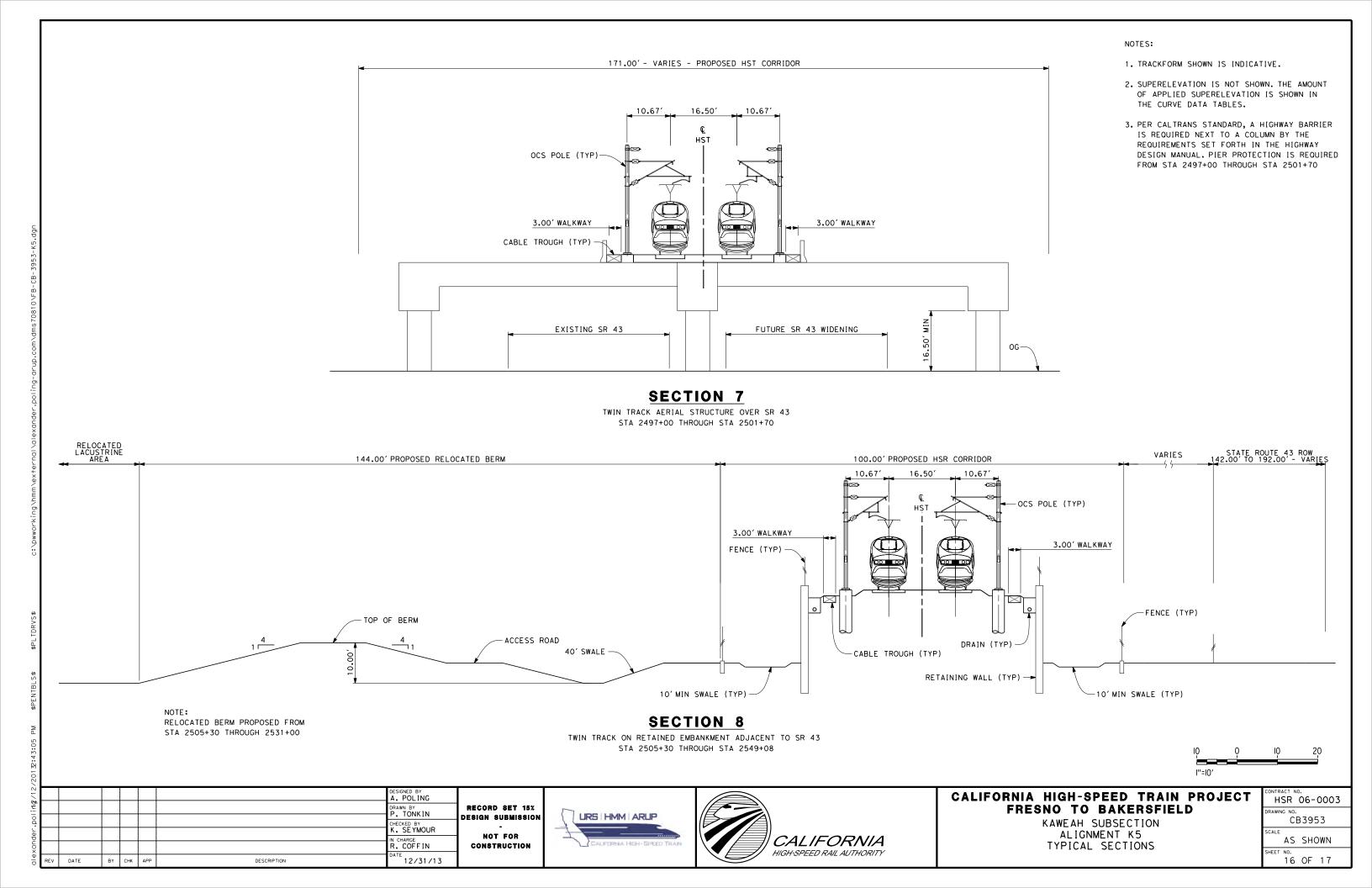




CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

KAWEAH SUBSECTION ALIGNMENT K5 TYPICAL SECTIONS

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3952
SCALE
AS SHOWN



41.08' - VARIES

OCS POLE (TYP)-

3.00' WALKWAY

10 FT MIN SWALE (TYP)

EMBANKMENT (TYP)

FENCE (TYP)

_ OG

125.00' AND VARIES - PROPOSED HST CORRIDOR

10.67

46.08' - VARIES

3.00' WALKWAY

CABLE TROUGH (TYP)

16.50

HST

10.67





STATE ROUTE 43 - 142.00' TO 192.00' - VARIES

EXISTING SR 43

NOTES:

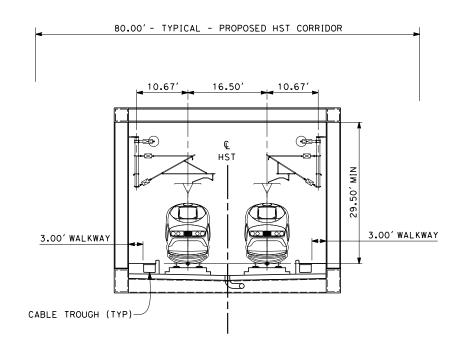
- 1. TRACKFORM SHOWN IS INDICATIVE.
- SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
- 3. PER CALTRANS STANDARD, A HIGHWAY BARRIER IS REQUIRED WHEN THE NEAREST HSR FEATURE IS WITHIN 52' OF THE HIGHWAY EDGE OF TRAVELED WAY.

SECTION 9

VARIES - 31.50' MIN

-HIGHWAY BARRIER

TWIN TRACK AT GRADE ADJACENT TO SR 43 STA 2549+08 THROUGH STA 2563+94



SECTION 10

TWIN TRACK TRUSS
STA 2449+62 THROUGH STA 2453+19

10 0 10 20 1"=10'

CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

KAWEAH SUBSECTION ALIGNMENT K5 TYPICAL SECTIONS

HSR 06-0003
DRAWING NO. CB3954
AS SHOWN